API Well Number: 43013518430000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL

1. WELL NAME and NUMBER Ute Tribal 12-03-E4	
2. TYPE OF WORK DRILL NEW WELL ◉ REENTER P&A WELL ○ DEEPEN WELL ○	**3. FIELD OR WILDCAT** BRUNDAGE CANYON
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO	**5. UNIT or COMMUNITIZATION AGREEMENT NAME**
6. NAME OF OPERATOR PETROGLYPH OPERATING CO	**7. OPERATOR PHONE** 208 685-7685
8. ADDRESS OF OPERATOR 960 Broadway Avenue, Ste 500, Bosie, ID, 83703	**9. OPERATOR E-MAIL** ppowell@pgei.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) 1420H624744	**11. MINERAL OWNERSHIP** FEDERAL ○ INDIAN ◉ STATE ○ FEE ○
12. SURFACE OWNERSHIP FEDERAL ○ INDIAN ○ STATE ○ FEE ◉	
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Petroglyph Operating Co., Inc.	**14. SURFACE OWNER PHONE (if box 12 = 'fee')** 435-722-2531
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') P.O. Box 607, ,	**16. SURFACE OWNER E-MAIL (if box 12 = 'fee')**
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') Ute Indian Tribe	**18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS** YES ○ (Submit Commingling Application) NO ◉
19. SLANT VERTICAL ○ DIRECTIONAL ◉ HORIZONTAL ○	

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	469 FNL 1718 FWL	NENW	12	5.0 S	4.0 W	U
Top of Uppermost Producing Zone	660 FNL 1980 FWL	NENW	12	5.0 S	4.0 W	U
At Total Depth	660 FNL 1980 FWL	NENW	12	5.0 S	4.0 W	U

21. COUNTY DUCHESNE	**22. DISTANCE TO NEAREST LEASE LINE (Feet)** 469	**23. NUMBER OF ACRES IN DRILLING UNIT** 480
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 2142	**26. PROPOSED DEPTH** MD: 6073 TVD: 6056
27. ELEVATION - GROUND LEVEL 5968	**28. BOND NUMBER** LPM4138153	**29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE** 43-8342

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Cond	20	14	0 - 54	5.0	Unknown	10.0	Class G	25	1.17	15.8
Surf	12.25	8.625	0 - 494	24.0	J-55 ST&C	10.0	Class G	227	1.17	15.8
Prod	7.875	5.5	0 - 6073	15.5	J-55 LT&C	10.0	Class G	451	1.92	12.5
							Class G	344	1.46	13.4

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	☑ COMPLETE DRILLING PLAN
☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
☐ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	☑ TOPOGRAPHICAL MAP

NAME Ed Trotter	**TITLE** Agent	**PHONE** 435 789-4120
SIGNATURE	**DATE** 11/02/2012	**EMAIL** edtrotter@easilink.com

API NUMBER ASSIGNED
43013518430000

APPROVAL

Permit Manager

RECEIVED: December 11, 2012

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NINE POINT DRILLING PLAN
PETROGLYPH OPERATING COMPANY, INC
UTE TRIBAL 12-03-E4
NE NW, SEC 12, T5S, R4W
DUCHESNE COUNTY, UTAH

1. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Formation		Subsea	TVD	MD
Rig KB=~14' above GGL		**5981**	**0**	**0**
Surface Formation = **Uinta**				
Uinta		**5967**	**14**	**14**
Green River		**4770**	**1211**	**1213**
Trona		3440	2541	2550
Mahogany Shale		3290	2691	2701
"B" Marker	Waterflood Unit Interval	2155	3826	3842
"X" Marker		1660	4321	4338
Douglas Creek Marker		1512	4469	4486
"B" Limestone		1115	4866	4883
Base Castle Peak Limestone		570	5411	5428
BSCARB		175	5806	5817
Wasatch		**-90**	**NDE**	**NDE**
Rig TD		**-75**	**6056**	**6073**

2. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERAL FORMATIONS:

Substance	Formation	Subsea	TVD	MD
Base of moderately saline ground water*	Uinta	5950	31	31
Oil/Gas	Douglas Creek	1512	4469	4486
Oil/Gas	Castle Peak	570	5411	5428

Any water encountered during drilling shall be sampled, analyzed and reported to BLM, Vernal office using State of Utah DOGM Form 7 *Report of Water Encountered during Drilling*. The following analyses shall be performed on any water encountered:

Flow rate (or blowtest)	Temperature	pH	TDS
Dissolved Iron	Dissolved Magnesium	Dissolved Bicarb.	Dissolved Sulfate
Dissolved Calcium	Dissolved Sodium	Dissolved Carbonate	Dissolved Chloride

All depths through the "Base of moderately saline ground water"*, along with any water encountered below that depth which is less than 10,000 TDS, shall be protected by the surface casing or by lifting the cement of the production casing into the surface casing.

*Base of Moderately Saline Groundwater from Howells, Longson and Hunt, 1981, Utah State Technical Publication 92: The Base of the Moderately Saline Water in the Uinta Basin, Utah

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DUCHESNE COUNTY, UTAH

3. PROPOSED CASING PROGRAM:

String	Hole	Casing	Top - MD	Bottom - MD	Weight lb/ft	Grade	Thread
Conductor	20"	14"	surface	54'	steel	Cond'r	none
Surface	12-1/4"	8-5/8"	surface	494'	24	J-55	STC
Production	7-7/8"	5-1/2"	surface	6073'	15.5	J-55	LTC

String	Hole	Casing	Collapse	Burst	Tensile
Surface	12-1/4"	8-5/8"	1,370 psi	2,950 psi	244,000 lb
Production	7-7/8"	5-1/2"	4,040 psi	4,810 psi	248,000 lb

- All casing will be new or inspected.
- The surface and production strings shall have a minimum of one (1) centralizer on each of the bottom three (3) joints.
- The production string shall have a minimum of one (1) centralizer for every three (3) joints from TD to the top of the "B" marker at 3842'MD.

4. PROPOSED CEMENTING PROGRAM:

String	Top / Bottom	Cement Description	Sacks / Vol (ft^3)	Excess	Weight (ppg)	Yield (ft^3/sk)
Conductor	0 / 54	Construction Grade Cement	Sufficient volumes to grout Conductor			
Surface	0 / 494	Class G +2% CaCl2 +0.25 lb/sk Cello Flake	227 / 265	30%	15.8	1.17
Production Lead	0 / 3842	EXPANDACEM (Class G +additives) + 1 lb/sk Granulite TR¼ (LCM)	451 / 866	30%	12.5	1.92
Production Tail	3842 / 6073	EXPANDACEM (Class G +additives) + 1 lb/sk Granulite TR¼ (LCM)	344 / 503	30%	13.4	1.46

- The 8-5/8" surface casing shall be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.
- The 5-1/2" production casing shall be cemented back to surface. In the event that during the primary cementing operation the cement does not circulate to surface, a remedial cementing operation shall be performed only if necessary to lift cement above the Trona at 2550'MD.

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5. MINIMUM PRESSURE CONTROL AND SAFETY EQUIPMENT:

- An 8", 2000 PSI, Double Ram BOPE with Hydraulic Closing Unit shall be used.
- A 2000 PSI Working Pressure Annular shall be used.
- The flowline shall have a minimum diameter of 10".
- Auxiliary equipment shall be a Kelly Cock, Bit Float, and a TIW valve with drill pipe threads.
- Spark arrestors shall be equipped on all engine exhausts within 100 feet of the wellbore.
- See attached 2,000 psi BOP schematic diagram.

BOPE TESTING PROCEDURE:

- The BOPE shall be tested by a professional tester to conform to Onshore Order #2.

6. MUD PROGRAM:

A. SURFACE HOLE

- The surface hole will be drilled with an air/mist system from 0' to 494'. All cutting shall be directed to pit.
- A trailer-mounted compressor with a capacity of 2000 CFM will be used. Compressor will have a safety shut-off valve located less than 15 feet from the driller's controls of the rig.
- The rat and mouse holes will be drilled with the air rig after surface casing is cemented.
- The 140 barrel water truck used with the deduster will be the source of kill fluid in the highly unlikely event of pressure being encountered during drilling of the surface hole.
- Operator requests the following variances from Onshore Order 2 part E during drilling of the surface hole. Operator will use air drilling techniques only on surface hole:
  - Operator requests a variance to regulations requiring the blooie line discharge to be 100' from the wellbore. Due to reduced location size, the blooie line discharge will be approximately 75' from the wellbore and securely anchored.
  - Operator requests a variance to regulations requiring an automatic igniter or continuous pilot light on the blooie line. A mister shall be on the end of the blooie line.
  - Operator requests a variance to regulations requiring compressors be located in the opposite direction from the blooie line; a minimum of 100' from the wellbore. Due to the reduced location size, the compressors shall be located as close as is reasonable to the opposite direction from the blooie line and 75' from the wellbore.
  - Operator requests a variance to regulations requiring a BOPE on the hole when drilling the surface hole. An air bowl shall be utilized on the diverter system in place of a BOPE.

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B. PRODUCTION HOLE

- The production hole shall be drilled with a freshwater polymer system from 494' to 6073'. LSND mud if conditions warrant.

- Clay inhibition and hole stability shall be achieved with a Diammonium Phosphate (DAP) additive or similar source of clay-stabilizing ions. Anticipated mud weight is 8.3-8.8 lbs/gal. although mud weight up to 10lbs/gal may be used if necessary to prevent wellbore wall instability due to the planned inclination of the well.

- All cuttings and circulating medium shall be directed into the reserve pit. Total Dissolved Solids (TDS) are anticipated to be less than 3000 PPM.

- Sufficient mud inventory will be maintained on location in either tanks or the reserve pit during the drilling of the production hole to handle any adverse conditions that may arise.

- If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite. Enough material shall be maintained on location to allow for the mudweight to be raised to 10.5 lbs/gal should need arise.

- During drilling operations, pit levels and flow from the well shall be monitored by instrumentation to include at least: a pit volume totalizer (PVT), a stroke counter, and a mud-flow indicator.

- A mud-gas separator shall be available on location.

C. HAZARDOUS MATERIALS AND POLLUTANTS

- Chromate additives **shall NOT** be used in the mud system on Indian lands without prior DOGM approval to ensure adequate protection of freshwater aquifers.

- Chemicals subject to reporting under SARA Title III in an amounts equal to or greater than 10,000 pounds annually **shall NOT** be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completion of this well.

- Extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities **shall NOT** be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completion of this well.

- Hazardous substances specifically listed by the EPA as a hazardous waste, as defined in 40 CFR 261 (D), or any substances that through their use would lead to the generation of a hazardous waste, **shall NOT** be used in association with the drilling, testing, or completion of this well.

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7. EVALUATION PROGRAM:

Logs:	Triple Combo	TD to base of surface casing (AIT, DSN, CDL) Base of surface casing to surface (GR only)
Cores:	None planned	
DST:	None planned	
Testing:	Operator plans no testing until the completion phase of the well.	

8. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

- Operator anticipates Bottom Hole Temperatures below 150°F, the maximum temperature for DAP drilling fluids.
- No H_2S has been encountered or is known to exist from previous drilling in the area at this depth.
- Maximum pressure for hydrocarbon bearing zones at native conditions in this area is approximately 1518 PSI (0.25 PSI/ft gradient).
- This well is NOT in the vicinity of active injection wells. Nearby active injection can cause pressures up to a 0.433 PSI/ft gradient .

9. DIRECTIONAL WELL PLAN:

- Well shall be drilled directionally in order to limit surface disturbance.
- A Positive Displacement Motor with a bent sub of 1.25° to 1.75° will be used to control well path.
- A directional survey shall be taken at least one (1) time per 100' of drilling.
- Anti-collision equipment will not be used as there are no existing wells in the vicinity of the proposed well path.
- While cutting the Waterflood Unit Interval from 3842' to 5817', the actual well path may be allowed to vary up to 100' horizontally from plan in order to prevent excessive slide drilling. Above and below the Waterflood Unit Interval, variances in excess 100' horizontally from plan may be allowed.
- Directional drilling plan is attached.

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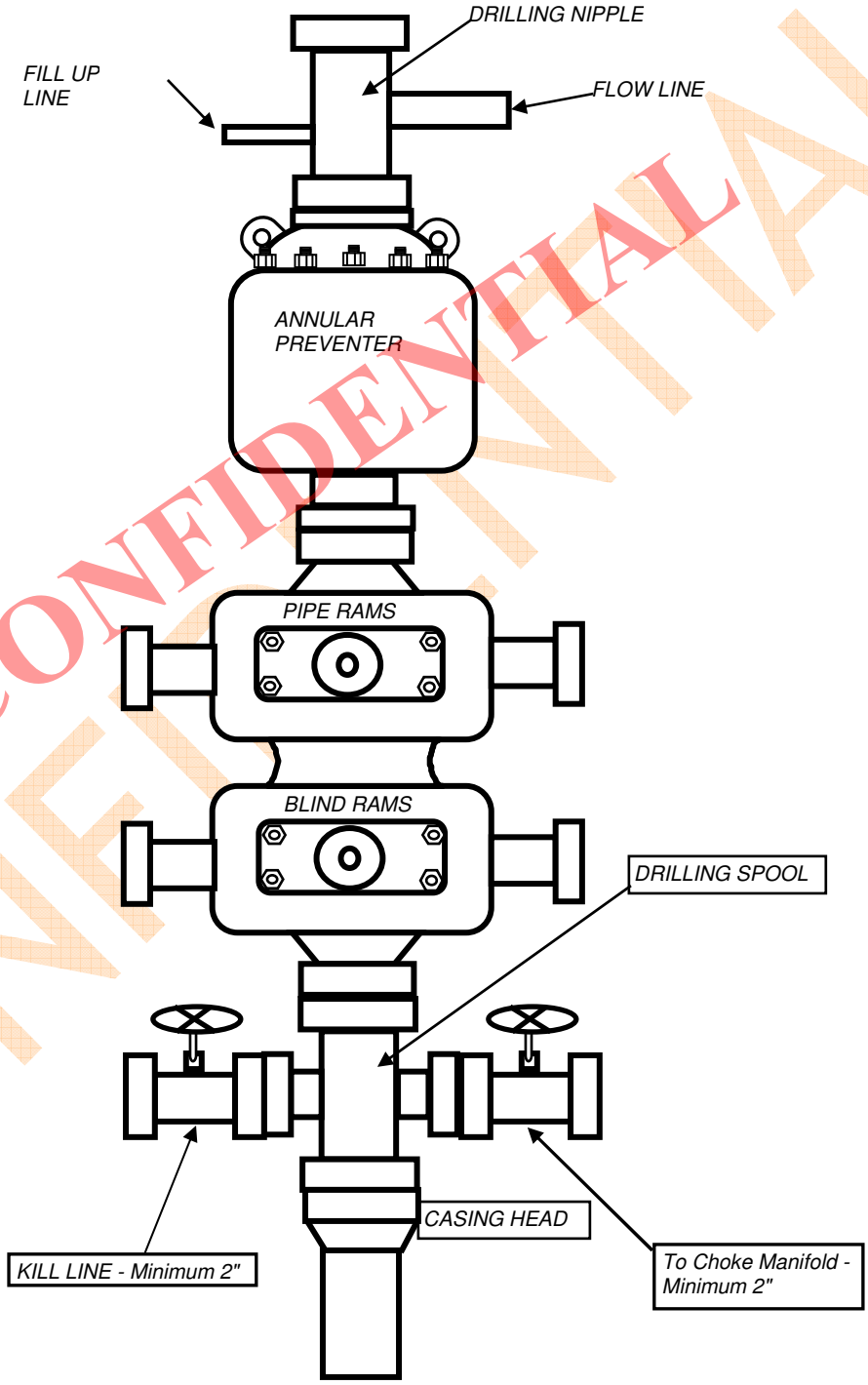
TYPICAL 2,000 p.s.i. BLOWOUT PREVENTER



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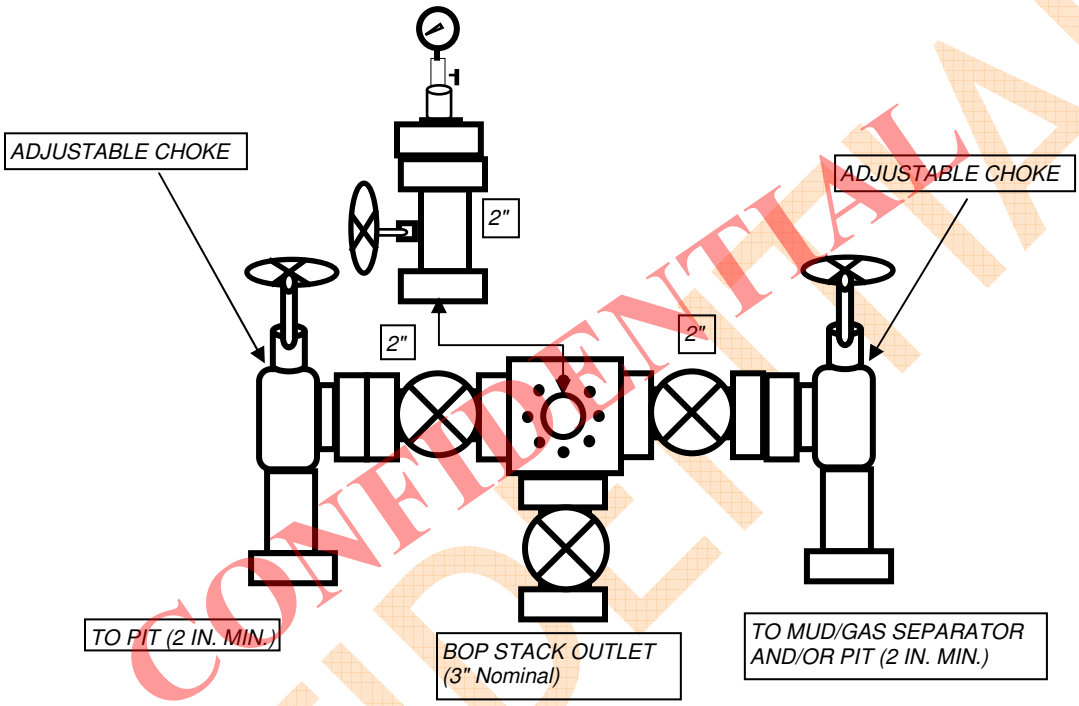
TYPICAL 2,000 p.s.i. CHOKE MANIFOLD



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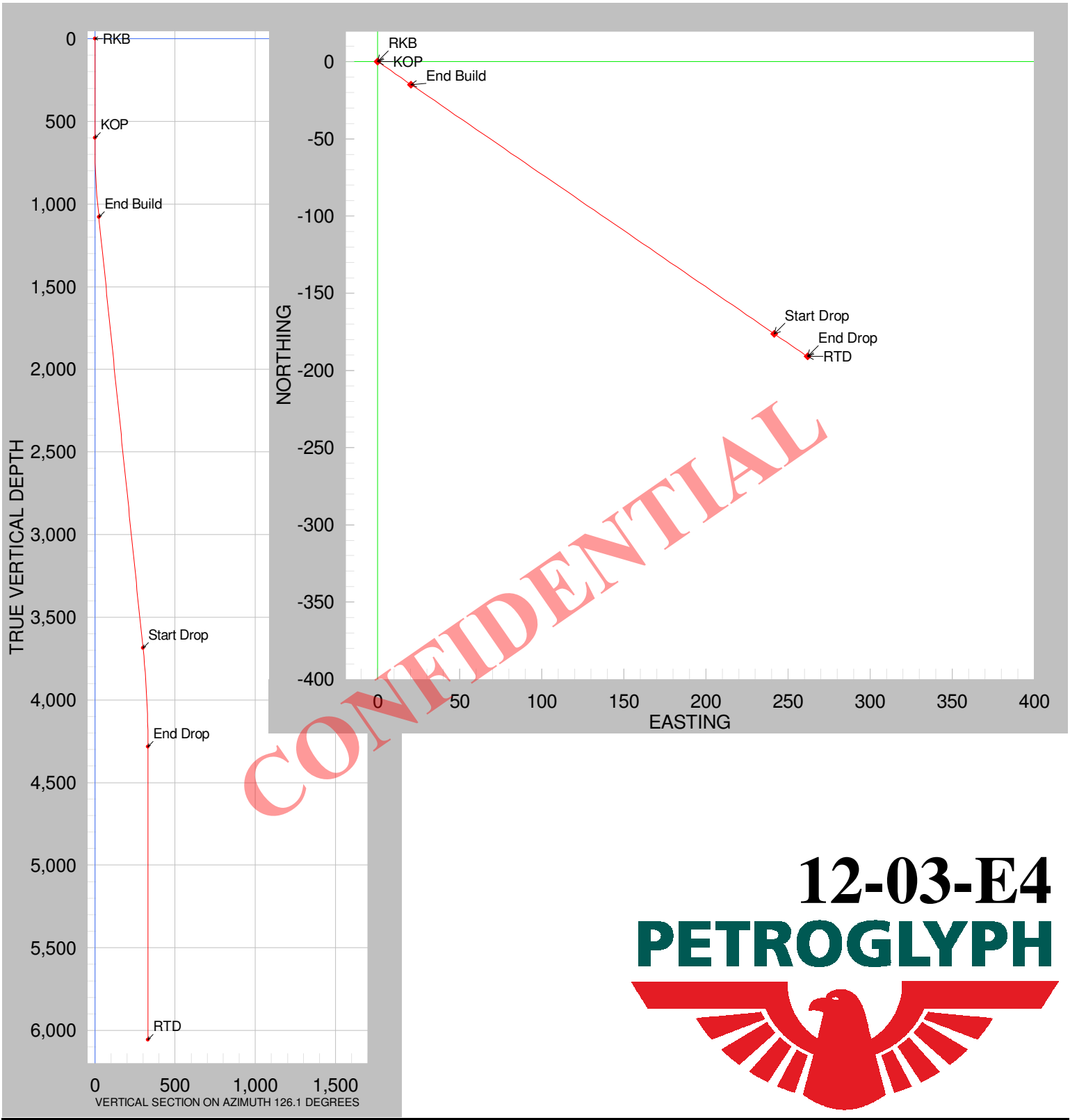

12-03-E4

PETROGLYPH

#	Reference	Type	MD	Inc	Azi	TVD	N	E	DLS	Vert S
0	RKB	Tie Point	0.00	0.00	0.00	0.00	0.00	0.00		0.00
1	KOP	Vertical	600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00
2	End Build	Build	1080.00	6.00	126.10	1079.12	-14.79	20.29	1.25	25.11
3	Start Drop	Tangent	3700.00	6.00	126.10	3684.77	-176.15	241.57	0.00	298.97
4	End Drop	Drop	4300.00	0.00	0.00	4283.67	-194.65	266.93	1.00	330.36
5	RTD	Vertical	6073.00	0.00	0.00	6056.67	-194.65	266.93	0.00	330.36

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12-03-E4, Plan 1

Operator	Petroglyph	**Units**	feet, °/100ft	12:31 Tuesday, October 02, 2012	Page 1 of 4
Field		**County**	Duchesne	**Vertical Section Azimuth**	126.1
Well Name	12-03-E4	**State**	UT	**Survey Calculation Method**	Minimum Curvature
Plan	1	**Country**	USA	**Database**	Access

Location	469' FNL 1718' FWL 12-5s-4w		**MapZone**	**Lat Long Ref**	
Site			**SurfaceX**	**Surface Long**	
Slot Name		**UWI**	**SurfaceY**	**Surface Lat**	
Well Number		**API**	**Z Datum**		
Project			**Surface Z**	**Ground Level**	

DIRECTIONAL WELL PLAN

MD* ft	INC* deg	AZI* deg	TVD* ft	N* ft	E* ft	DLS* °/100ft	V. S.* ft	MapE* ft	MapN* ft	SysTVD* ft
*** RKB (at MD = 0.00)										
0.00	0.00	0.0	0.00	0.00	0.00		0.00			
50.00	0.00	0.0	50.00	0.00	0.00	0.00	0.00			
100.00	0.00	0.0	100.00	0.00	0.00	0.00	0.00			
150.00	0.00	0.0	150.00	0.00	0.00	0.00	0.00			
200.00	0.00	0.0	200.00	0.00	0.00	0.00	0.00			
250.00	0.00	0.0	250.00	0.00	0.00	0.00	0.00			
300.00	0.00	0.0	300.00	0.00	0.00	0.00	0.00			
350.00	0.00	0.0	350.00	0.00	0.00	0.00	0.00			
400.00	0.00	0.0	400.00	0.00	0.00	0.00	0.00			
450.00	0.00	0.0	450.00	0.00	0.00	0.00	0.00			
500.00	0.00	0.0	500.00	0.00	0.00	0.00	0.00			
550.00	0.00	0.0	550.00	0.00	0.00	0.00	0.00			
*** KOP (at MD = 600.00)										
600.00	0.00	0.0	600.00	0.00	0.00	0.00	0.00			
650.00	0.63	126.1	650.00	-0.16	0.22	1.25	0.27			
700.00	1.25	126.1	699.99	-0.64	0.88	1.25	1.09			
750.00	1.88	126.1	749.97	-1.45	1.98	1.25	2.45			
800.00	2.50	126.1	799.94	-2.57	3.53	1.25	4.36			
850.00	3.13	126.1	849.88	-4.02	5.51	1.25	6.82			
900.00	3.75	126.1	899.79	-5.78	7.93	1.25	9.81			
950.00	4.38	126.1	949.66	-7.87	10.79	1.25	13.36			
1000.00	5.00	126.1	999.49	-10.28	14.09	1.25	17.44			
1050.00	5.63	126.1	1049.28	-13.00	17.83	1.25	22.07			
*** END BUILD (at MD = 1080.00)										
1080.00	6.00	126.1	1079.12	-14.79	20.29	1.25	25.11			
1100.00	6.00	126.1	1099.01	-16.03	21.98	0.00	27.20			
1150.00	6.00	126.1	1148.74	-19.11	26.20	0.00	32.43			
1200.00	6.00	126.1	1198.47	-22.19	30.42	0.00	37.65			
1250.00	6.00	126.1	1248.19	-25.26	34.65	0.00	42.88			
1300.00	6.00	126.1	1297.92	-28.34	38.87	0.00	48.11			
1350.00	6.00	126.1	1347.64	-31.42	43.09	0.00	53.33			
1400.00	6.00	126.1	1397.37	-34.50	47.32	0.00	58.56			
1450.00	6.00	126.1	1447.10	-37.58	51.54	0.00	63.79			
1500.00	6.00	126.1	1496.82	-40.66	55.76	0.00	69.01			
1550.00	6.00	126.1	1546.55	-43.74	59.98	0.00	74.24			

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12-03-E4, Plan 1

Operator	Petroglyph	**Units**	feet, °/100ft	12:31 Tuesday, October 02, 2012	Page 2 of 4
Field		**County**	Duchesne	**Vertical Section Azimuth**	126.1
Well Name	12-03-E4	**State**	UT	**Survey Calculation Method**	Minimum Curvature
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Location	469' FNL 1718' FWL 12-5s-4w			**MapZone**	**Lat Long Ref**
Site				**SurfaceX**	**Surface Long**
Slot Name		**UWI**		**SurfaceY**	**Surface Lat**
Well Number		**API**		**Z Datum**	
Project				**Surface Z**	**Ground Level**

DIRECTIONAL WELL PLAN

MD* ft	INC* deg	AZI* deg	TVD* ft	N* ft	E* ft	DLS* °/100ft	V. S.* ft	MapE* ft	MapN* ft	SysTVD* ft
1600.00	6.00	126.1	1596.27	-46.82	64.21	0.00	79.46			
1650.00	6.00	126.1	1646.00	-49.90	68.43	0.00	84.69			
1700.00	6.00	126.1	1695.73	-52.98	72.65	0.00	89.92			
1750.00	6.00	126.1	1745.45	-56.06	76.88	0.00	95.14			
1800.00	6.00	126.1	1795.18	-59.14	81.10	0.00	100.37			
1850.00	6.00	126.1	1844.91	-62.22	85.32	0.00	105.60			
1900.00	6.00	126.1	1894.63	-65.30	89.54	0.00	110.82			
1950.00	6.00	126.1	1944.36	-68.38	93.77	0.00	116.05			
2000.00	6.00	126.1	1994.08	-71.46	97.99	0.00	121.28			
2050.00	6.00	126.1	2043.81	-74.53	102.21	0.00	126.50			
2100.00	6.00	126.1	2093.54	-77.61	106.44	0.00	131.73			
2150.00	6.00	126.1	2143.26	-80.69	110.66	0.00	136.96			
2200.00	6.00	126.1	2192.99	-83.77	114.88	0.00	142.18			
2250.00	6.00	126.1	2242.71	-86.85	119.10	0.00	147.41			
2300.00	6.00	126.1	2292.44	-89.93	123.33	0.00	152.63			
2350.00	6.00	126.1	2342.17	-93.01	127.55	0.00	157.86			
2400.00	6.00	126.1	2391.89	-96.09	131.77	0.00	163.09			
2450.00	6.00	126.1	2441.62	-99.17	136.00	0.00	168.31			
2500.00	6.00	126.1	2491.34	-102.25	140.22	0.00	173.54			
2550.00	6.00	126.1	2541.07	-105.33	144.44	0.00	178.77			
2600.00	6.00	126.1	2590.80	-108.41	148.66	0.00	183.99			
2650.00	6.00	126.1	2640.52	-111.49	152.89	0.00	189.22			
2700.00	6.00	126.1	2690.25	-114.57	157.11	0.00	194.45			
2750.00	6.00	126.1	2739.97	-117.65	161.33	0.00	199.67			
2800.00	6.00	126.1	2789.70	-120.73	165.56	0.00	204.90			
2850.00	6.00	126.1	2839.43	-123.81	169.78	0.00	210.13			
2900.00	6.00	126.1	2889.15	-126.88	174.00	0.00	215.35			
2950.00	6.00	126.1	2938.88	-129.96	178.22	0.00	220.58			
3000.00	6.00	126.1	2988.61	-133.04	182.45	0.00	225.80			
3050.00	6.00	126.1	3038.33	-136.12	186.67	0.00	231.03			
3100.00	6.00	126.1	3088.06	-139.20	190.89	0.00	236.26			
3150.00	6.00	126.1	3137.78	-142.28	195.12	0.00	241.48			
3200.00	6.00	126.1	3187.51	-145.36	199.34	0.00	246.71			
3250.00	6.00	126.1	3237.24	-148.44	203.56	0.00	251.94			
3300.00	6.00	126.1	3286.96	-151.52	207.79	0.00	257.16			

RECEIVED: November 02, 2012

12-03-E4, Plan 1

Operator	Petroglyph	**Units**	feet, °/100ft	12:31 Tuesday, October 02, 2012	Page 3 of 4
Field		**County**	Duchesne	**Vertical Section Azimuth**	126.1
Well Name	12-03-E4	**State**	UT	**Survey Calculation Method**	Minimum Curvature
Plan	1	**Country**	USA	**Database**	Access

Location	469' FNL 1718' FWL 12-5s-4w		**MapZone**	**Lat Long Ref**	
Site			**SurfaceX**	**Surface Long**	
Slot Name		**UWI**	**SurfaceY**	**Surface Lat**	
Well Number		**API**	**Z Datum**		
Project			**Surface Z**	**Ground Level**	

DIRECTIONAL WELL PLAN

MD* ft	INC* deg	AZI* deg	TVD* ft	N* ft	E* ft	DLS* °/100ft	V. S.* ft	MapE* ft	MapN* ft	SysTVD* ft
3350.00	6.00	126.1	3336.69	-154.60	212.01	0.00	262.39			
3400.00	6.00	126.1	3386.41	-157.68	216.23	0.00	267.62			
3450.00	6.00	126.1	3436.14	-160.76	220.45	0.00	272.84			
3500.00	6.00	126.1	3485.87	-163.84	224.68	0.00	278.07			
3550.00	6.00	126.1	3535.59	-166.92	228.90	0.00	283.30			
3600.00	6.00	126.1	3585.32	-170.00	233.12	0.00	288.52			
3650.00	6.00	126.1	3635.04	-173.08	237.35	0.00	293.75			
*** START DROP (at MD = 3700.00)										
3700.00	6.00	126.1	3684.77	-176.15	241.57	0.00	298.97			
3750.00	5.50	126.1	3734.52	-179.11	245.62	1.00	303.98			
3800.00	5.00	126.1	3784.31	-181.80	249.31	1.00	308.56			
3850.00	4.50	126.1	3834.14	-184.24	252.66	1.00	312.70			
3900.00	4.00	126.1	3884.00	-186.42	255.65	1.00	316.40			
3950.00	3.50	126.1	3933.89	-188.35	258.29	1.00	319.67			
4000.00	3.00	126.1	3983.81	-190.02	260.58	1.00	322.51			
4050.00	2.50	126.1	4033.75	-191.43	262.52	1.00	324.91			
4100.00	2.00	126.1	4083.72	-192.59	264.11	1.00	326.87			
4150.00	1.50	126.1	4133.69	-193.49	265.34	1.00	328.40			
4200.00	1.00	126.1	4183.68	-194.13	266.22	1.00	329.49			
4250.00	0.50	126.1	4233.68	-194.52	266.75	1.00	330.14			
*** END DROP (at MD = 4300.00)										
4300.00	0.00	0.0	4283.67	-194.65	266.93	1.00	330.36			
4350.00	0.00	0.0	4333.67	-194.65	266.93	0.00	330.36			
4400.00	0.00	0.0	4383.67	-194.65	266.93	0.00	330.36			
4450.00	0.00	0.0	4433.67	-194.65	266.93	0.00	330.36			
4500.00	0.00	0.0	4483.67	-194.65	266.93	0.00	330.36			
4550.00	0.00	0.0	4533.67	-194.65	266.93	0.00	330.36			
4600.00	0.00	0.0	4583.67	-194.65	266.93	0.00	330.36			
4650.00	0.00	0.0	4633.67	-194.65	266.93	0.00	330.36			
4700.00	0.00	0.0	4683.67	-194.65	266.93	0.00	330.36			
4750.00	0.00	0.0	4733.67	-194.65	266.93	0.00	330.36			
4800.00	0.00	0.0	4783.67	-194.65	266.93	0.00	330.36			
4850.00	0.00	0.0	4833.67	-194.65	266.93	0.00	330.36			
4900.00	0.00	0.0	4883.67	-194.65	266.93	0.00	330.36			
4950.00	0.00	0.0	4933.67	-194.65	266.93	0.00	330.36			

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12-03-E4, Plan 1

Operator	Petroglyph	**Units**	feet, °/100ft	12:31 Tuesday, October 02, 2012	Page 4 of 4
Field		**County**	Duchesne	**Vertical Section Azimuth**	126.1
Well Name	12-03-E4	**State**	UT	**Survey Calculation Method**	Minimum Curvature
Plan	1	**Country**	USA	**Database**	Access

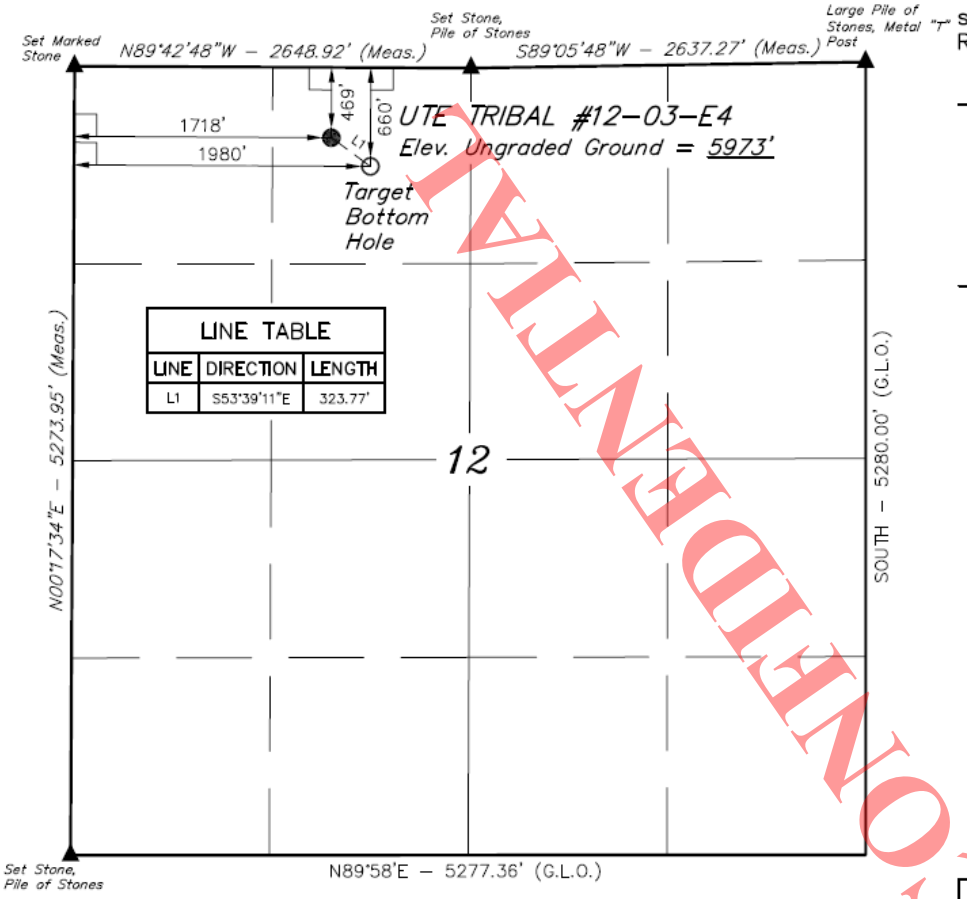
Location	469' FNL 1718' FWL 12-5s-4w		**MapZone**	**Lat Long Ref**	
Site			**SurfaceX**	**Surface Long**	
Slot Name		**UWI**	**SurfaceY**	**Surface Lat**	
Well Number		**API**	**Z Datum**		
Project			**Surface Z**	**Ground Level**	

DIRECTIONAL WELL PLAN

MD* ft	INC* deg	AZI* deg	TVD* ft	N* ft	E* ft	DLS* °/100ft	V. S.* ft	MapE* ft	MapN* ft	SysTVD* ft
5000.00	0.00	0.0	4983.67	-194.65	266.93	0.00	330.36			
5050.00	0.00	0.0	5033.67	-194.65	266.93	0.00	330.36			
5100.00	0.00	0.0	5083.67	-194.65	266.93	0.00	330.36			
5150.00	0.00	0.0	5133.67	-194.65	266.93	0.00	330.36			
5200.00	0.00	0.0	5183.67	-194.65	266.93	0.00	330.36			
5250.00	0.00	0.0	5233.67	-194.65	266.93	0.00	330.36			
5300.00	0.00	0.0	5283.67	-194.65	266.93	0.00	330.36			
5350.00	0.00	0.0	5333.67	-194.65	266.93	0.00	330.36			
5400.00	0.00	0.0	5383.67	-194.65	266.93	0.00	330.36			
5450.00	0.00	0.0	5433.67	-194.65	266.93	0.00	330.36			
5500.00	0.00	0.0	5483.67	-194.65	266.93	0.00	330.36			
5550.00	0.00	0.0	5533.67	-194.65	266.93	0.00	330.36			
5600.00	0.00	0.0	5583.67	-194.65	266.93	0.00	330.36			
5650.00	0.00	0.0	5633.67	-194.65	266.93	0.00	330.36			
5700.00	0.00	0.0	5683.67	-194.65	266.93	0.00	330.36			
5750.00	0.00	0.0	5733.67	-194.65	266.93	0.00	330.36			
5800.00	0.00	0.0	5783.67	-194.65	266.93	0.00	330.36			
5850.00	0.00	0.0	5833.67	-194.65	266.93	0.00	330.36			
5900.00	0.00	0.0	5883.67	-194.65	266.93	0.00	330.36			
5950.00	0.00	0.0	5933.67	-194.65	266.93	0.00	330.36			
6000.00	0.00	0.0	5983.67	-194.65	266.93	0.00	330.36			
6050.00	0.00	0.0	6033.67	-194.65	266.93	0.00	330.36			
*** RTD (at MD = 6073.00)										
6073.00	0.00	0.0	6056.67	-194.65	266.93	0.00	330.36			

RECEIVED: November 02, 2012

T5S, R4W, U.S.B.&M.



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S53°39'11"E	323.77'

PETROGLYPH OPERATING CO., INC.

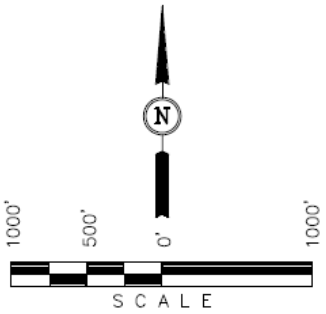
Well location, UTE TRIBAL #12–03–E4, located as shown in the NE 1/4 NW 1/4 of Section 12, T5S, R4W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

BENCH MARK (M67) LOCATED IN THE SW 1/4 OF SECTION 9, T5S, R4W, U.S.B.&M., TAKEN FROM THE DUCHESNE SE, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6097 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

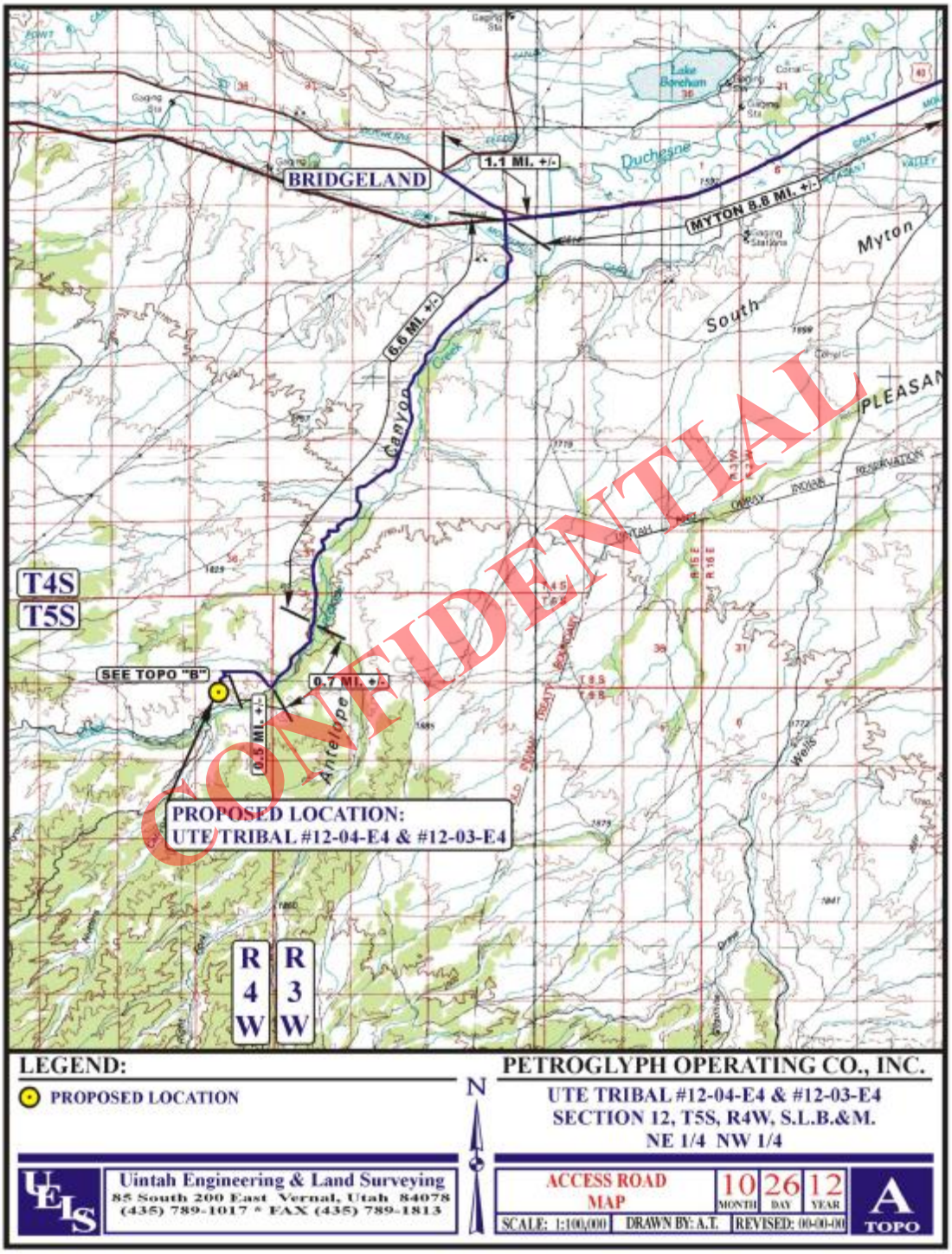
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

LEGEND:	NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
⌞ = 90° SYMBOL	LATITUDE = 40°03'58.85" (40.066347)	LATITUDE = 40°04'00.75" (40.066875)
● = PROPOSED WELL HEAD.	LONGITUDE = 110°17'12.57" (110.286825)	LONGITUDE = 110°17'15.92" (110.287756)
▲ = SECTION CORNERS LOCATED.	NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
	LATITUDE = 40°03'58.99" (40.066386)	LATITUDE = 40°04'00.89" (40.066914)
	LONGITUDE = 110°17'10.02" (110.286117)	LONGITUDE = 110°17'13.37" (110.287047)

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789–1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	10–15–12	10–17–12
PARTY: G.O. B.S. J.J.	REFERENCES: G.L.O. PLAT	
WEATHER: WARM	FILE: PETROGLYPH OPERATING CO., INC.	



RECEIVED: November 02, 2012

PETROGLYPH OPERATING CO., INC.
P.O. BOX 607
ROOSEVELT, UTAH 84066

November 2, 2012

Ms. Diana Mason
State of Utah
Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, UT 84114-5801

Re: Directional Drilling R649-3-11
Ute Tribal 12-03-E4: 469‘ FNL & 1718‘ FWL, NE/4NW/4, SEC. 12, (Surface Hole)
660’ FNL & 1980’ FWL, NE/4NW/4, Sec. 12, (Bottom Hole)
T5S, R4W, U.S.B.&M., Duchesne County, Utah

Dear Ms. Mason,

Pursuant to the filing of Petroglyph Operating Co., Inc.’s Application for Permit to Drill regarding the above referenced well on November 2, 2012, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the Exception to Location and Siting of Wells.

- The Ute Tribal 08-02-D4 is located within the Antelope Creek Unit Area.
- Petroglyph Operating Co., Inc. is permitting this well as a directional well in order to minimize surface disturbance. Locating the well at the surface location and drilling directionally from this location, Petroglyph Operating Co., Inc. will be able to utilize the existing road and pipelines in the area.
- Furthermore, Petroglyph Operating Co., Inc. hereby certifies that it is the sole working interest owner within 460 feet of the entire directional well bore.

Therefore, based on the above stated information, Petroglyph Operating Co., Inc. requests the permit be granted pursuant to R649-3-11.

Respectfully Submitted,

Ed Trotter,
Agent
P.O. Box 1910
Vernal, UT 84078
Phone: (435)789-4120
Fax: (435)789-1420
E-mail: edtrotter@easilink.com

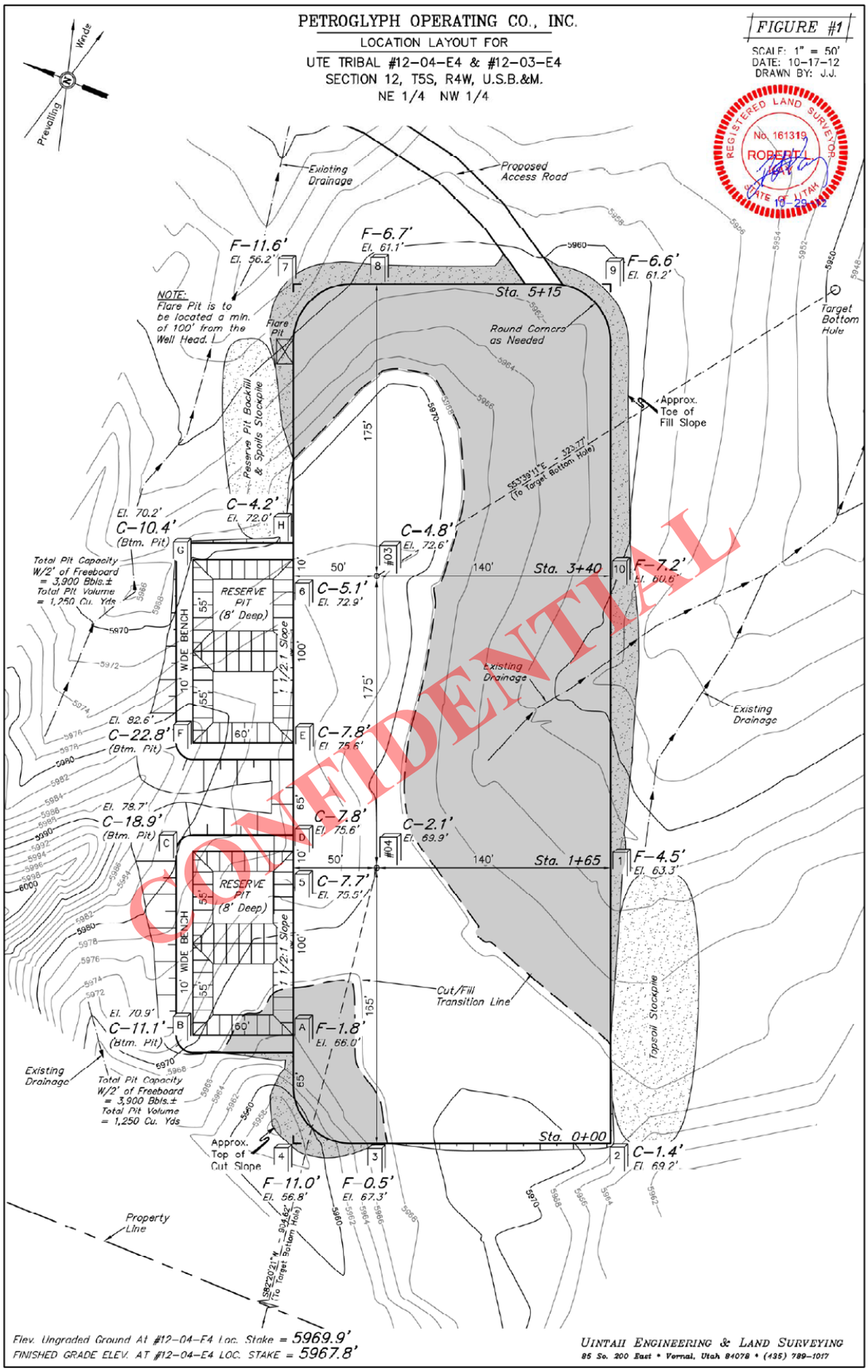
RECEIVED: November 02, 2012

Certification

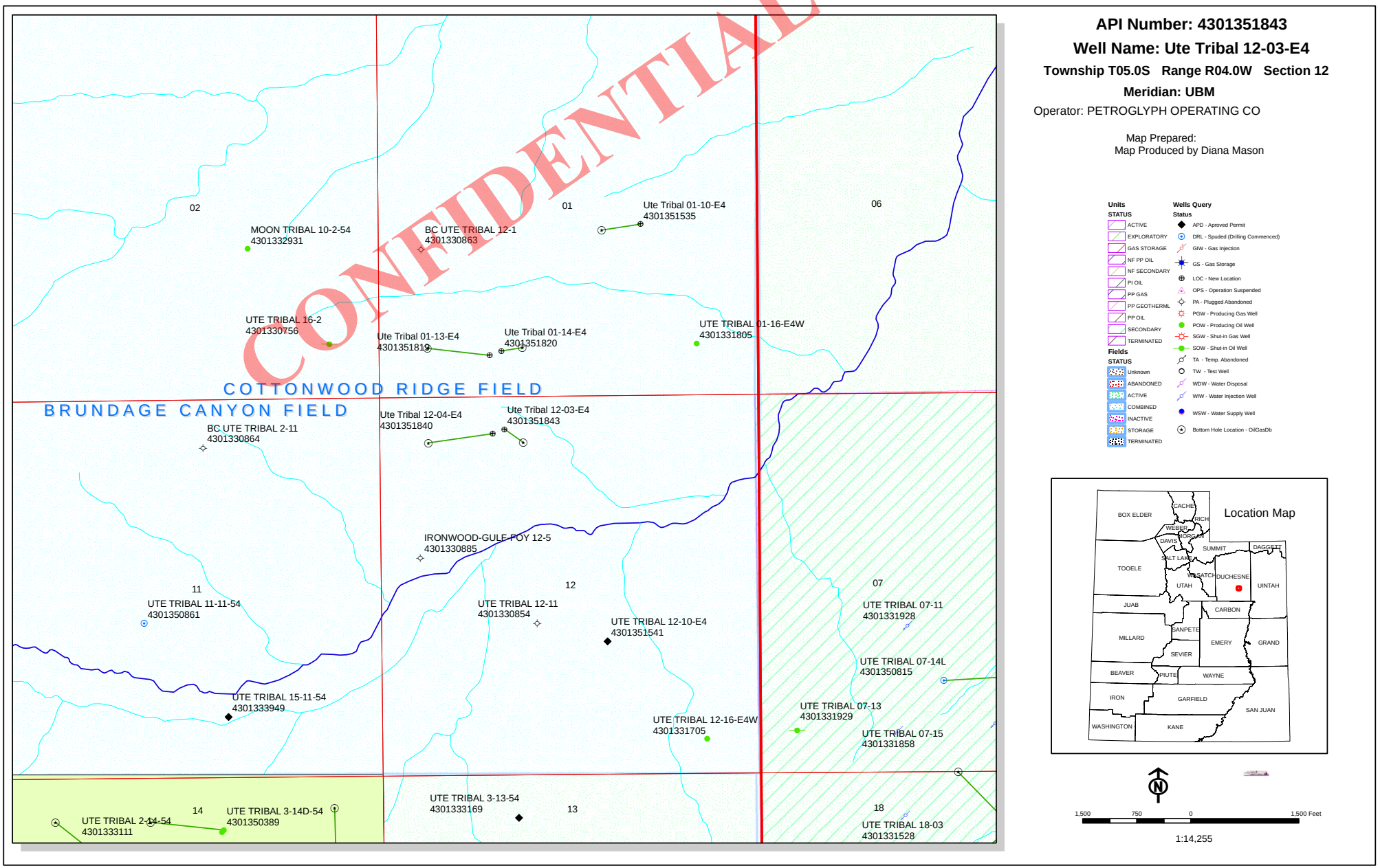
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions that presently exist; that the statements made in the Plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Petroglyph Operating Co., Inc. and its contractors and subcontractors in conformity with this Plan and the terms and conditions under which it is approved.

Please be advised that Petroglyph Operating Co., Inc. is considered to be the operator of the **UTE TRIBAL 12-03-E4 Well, located in NE/NW of Section 12, T5S, R4W, Duchesne County, Utah**, **lease #14-20-H62-4744;** and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is provided under Bond #LPM4138153.

RECEIVED: November 02, 2012



API Well Number: 43013518430000



API Number: 4301351843

Well Name: Ute Tribal 12-03-E4

Township T05.0S Range R04.0W Section 12

Meridian: UBM

Operator: PETROGLYPH OPERATING CO

Map Prepared:
Map Produced by Diana Mason

Units
STATUS
ACTIVE
EXPLORATORY
GAS STORAGE
NF PP OIL
NF SECONDARY
PI OIL
PP GAS
PP GEOTHERML
PP OIL
SECONDARY
TERMINATED

Fields
STATUS
Unknown
ABANDONED
ACTIVE
COMBINED
INACTIVE
STORAGE
TERMINATED

Wells Query
Status
APD - Aproved Permit
DRL - Spuded (Drilling Commenced)
GIW - Gas Injection
GS - Gas Storage
LOC - New Location
OPS - Operation Suspended
PA - Plugged Abandoned
PGW - Producing Gas Well
POW - Producing Oil Well
SGW - Shut-in Gas Well
SOW - Shut-in Oil Well
TA - Temp. Abandoned
TW - Test Well
WDW - Water Disposal
WIW - Water Injection Well
WSW - Water Supply Well
Bottom Hole Location - OilGasDb

1:14,255

RECEIVED: November 08, 2012

ON-SITE PREDRILL EVALUATION
Utah Division of Oil, Gas and Mining

Operator PETROGLYPH OPERATING CO
Well Name Ute Tribal 12-03-E4
API Number 43013518430000 **APD No** 7082 **Field/Unit** BRUNDAGE CANYON
Location: 1/4,1/4 NENW **Sec** 12 **Tw** 5.0S **Rng** 4.0W 469 FNL 1718 FWL
GPS Coord (UTM) 560737 4435426 **Surface Owner** Petroglyph Operating Co., Inc.

Participants

Rodrigo Jurado & Les Farnsworth (Petroglyph Operating and landowner); Ed Trotter (Land Agent); Bill Civish (BLM); Dennis Ingram (Utah Division of Oil, Gas & Mining)

Regional/Local Setting & Topography

The Ute Tribal 12-03-E4 and 12-04-E4 are both proposed on connected locations as directional wells that target the NE/NW and the NW/NW of Section 12, Township 5 South, Range 4 West. This pad is in northeastern Utah on the southern boundary of the Uintah Basin, approximately 9.0 miles south/southwest of the Bridgeland/U.S. Highway 40 junction, along the Antelope Canyon road one mile south of the Antelope/Sowers Canyon Junction. Broad, bench like habitat slopes north from Anthro Mountain into the Uintah Basin, having the lowest elevation at the Duchesne River. These broad benches have numerous drainages that drain the high country northerly, with Sowers Canyon being one of the primary arteries. This well pad is positioned approximately 0.3 miles west of Sowers Canyon along its western rims, in rolling hills with sparse cedar tree habitat and short, desert-like sagebrush country, on a fingered northeast sloping ridge that drops into the canyon below. The greatest cut for the well pad is along the northern portion of the pad, with a shallow draw draining northeasterly; other drainages to the west near the location edge that drains away from the lease.

Surface Use Plan

Current Surface Use
Deer Winter Range
Recreational

New Road Miles	Well Pad	Src Const Material	Surface Formation
0.26	**Width** 250 **Length** 515	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Sparse vegetation, cedar tree, sagebrush, rabbit brush, bunch grass, prickly pear cactus; mule deer winter range, littered with tracks, elk potential, coyote, rabbit, fox, raptor nest in area, no details.

Soil Type and Characteristics

RECEIVED: December 11, 2012

Tan, fine-grained, sandy loam with some clays and shales present

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required? Y
re-route around pad

Berm Required? Y

Erosion Sedimentation Control Required? N

Paleo Survey Run? Y **Paleo Potental Observed?** N **Cultural Survey Run?** Y **Cultural Resources?** N

Reserve Pit

Site-Specific Factors		Site Ranking	
Distance to Groundwater (feet)	>200	0	
Distance to Surface Water (feet)	>1000	0	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)		20	
Native Soil Type	Mod permeability	10	
Fluid Type	Fresh Water	5	
Drill Cuttings	Normal Rock	0	
Annual Precipitation (inches)		0	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
	Final Score	35	1 Sensitivity Level

Characteristics / Requirements
Two reserve pits positioned immediately off the north side of location in cut, each measuring 60' wide by 110' long by 8' deep while the area shows prevailing winds from the west.

Closed Loop Mud Required? **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?**

Other Observations / Comments

Surface purchased by Petroglyph Operating, no issues.

Dennis Ingram	11/27/2012
Evaluator	**Date / Time**

RECEIVED: December 11, 2012

Application for Permit to Drill
Statement of Basis
Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
7082	43013518430000	LOCKED	OW	P	No

Operator	PETROGLYPH OPERATING CO	**Surface Owner-APD**	Petroglyph Operating Co., Inc.
Well Name	Ute Tribal 12-03-E4	**Unit**	
Field	BRUNDAGE CANYON	**Type of Work**	DRILL
Location	NENW 12 5S 4W U 469 FNL 1718 FWL GPS Coord (UTM) 560748E 4435437N		

Geologic Statement of Basis

The mineral rights for the proposed well are owned by the Ute Tribe. The BLM will be the agency responsible for evaluating and approving the drilling, casing and cement programs.

Brad Hill — **APD Evaluator**

12/10/2012 — **Date / Time**

Surface Statement of Basis

A presite visit was scheduled and done on Tuesday, November 27, 2012 to take input and address issues regarding the drilling and construction of the Ute Tribal 12-03-E4 and the 12-04-E4 wells on a multi-well pad. Petrolgyph Operating is shown as the landowner of record and was therefore invited to the presite. Rodrigo Jurado came along and represented the landowner interests, and they obviously have a landowner agreement.

Two reserve pits are proposed on this extended, multi-well pad just north of the surface. Both reserve pits are staked immediately off the northern side of the location in cut and provide no issues on stability. However, both pits shall be lined with a minimum 16 mil synthetic liner and a pad if necessary to prevent seepage.

A long, shallow draw drains northerly just north of the location and doesn't provide any issues. Two shallow drainages do head up and begin near the center the location and drain the existing surface to the southeast. Another shallow drainage begins on the western portion of the pad and drains to the west, although none of them should propose a problem once the location is constructed. Both reserve pits shall be prepared for a liner and have a 16 mil or thicker synthetic liner install before the drilling process starts.

The BLM did make note of an existing hawk nest in the area but did not have any details as to how far, or when the nest was last utilized.

Dennis Ingram — **Onsite Evaluator**

11/27/2012 — **Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils shall be properly installed and maintained in all reserve pits.
Pits	The reserve pit should be located on the north side of the location.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.

RECEIVED: December 11, 2012

Surface	Drainages adjacent to the proposed pad shall be diverted around the location.

RECEIVED: December 11, 2012

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/2/2012
API NO. ASSIGNED: 43013518430000
WELL NAME: Ute Tribal 12-03-E4
OPERATOR: PETROGLYPH OPERATING CO (N3800)
PHONE NUMBER: 435 789-4120
CONTACT: Ed Trotter

PROPOSED LOCATION: NENW 12 050S 040W
Permit Tech Review: ☑

SURFACE: 0469 FNL 1718 FWL
Engineering Review: ☐

BOTTOM: 0660 FNL 1980 FWL
Geology Review: ☑

COUNTY: DUCHESNE
LATITUDE: 40.06701
LONGITUDE: -110.28764
UTM SURF EASTINGS: 560748.00
NORTHINGS: 4435437.00
FIELD NAME: BRUNDAGE CANYON
LEASE TYPE: 2 - Indian
LEASE NUMBER: 1420H624744
PROPOSED PRODUCING FORMATION(S): GREEN RIVER
SURFACE OWNER: 4 - Fee
COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** STATE/FEE - LPM4138153
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** 43-8342
- ☐ **RDCC Review:**
- ☑ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit:

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☑ **Drilling Unit**

Board Cause No: R649-3-11
Effective Date:
Siting:

- ☑ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations:
4 - Federal Approval - dmason
5 - Statement of Basis - bhill
15 - Directional - dmason
23 - Spacing - dmason

RECEIVED: December 11, 2012

GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: Ute Tribal 12-03-E4
API Well Number: 43013518430000
Lease Number: 1420H624744
Surface Owner: FEE (PRIVATE)
Approval Date: 12/11/2012

Issued to:
PETROGLYPH OPERATING CO, 960 Broadway Avenue, Ste 500, Bosie, ID 83703

Authority:
Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the “Board”). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board

establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Additional Approvals:
The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

Notification Requirements:
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
  at http://oilgas.ogm.utah.gov
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
  - contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

Contact Information:
The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
  801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
  801-231-8956 - after office hours

Reporting Requirements:
All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion

• Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: 1420H624744

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute In

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: Ute Tribal 12-03-E4

2. NAME OF OPERATOR: PETROGLYPH OPERATING CO

9. API NUMBER: 43013518430000

3. ADDRESS OF OPERATOR: 960 Broadway Avenue, Ste 500 , Boise, ID, 83703

PHONE NUMBER: 208 685-7685 Ext

9. FIELD and POOL or WILDCAT: BRUNDAGE CANYON

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0469 FNL 1718 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 12 Township: 05.0S Range: 04.0W Meridian: U

COUNTY: DUCHESNE

STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☑ SPUD REPORT Date of Spud: 7/31/2013	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This well was spud on 07/31/2013 at approximately 10:00 A.M. Using a Bucket Rig (BR 2) provide by Craig's Roustabout Service-Vernal Utah, we set 60' of 16" Conducotr. For additional information pleasae contact our staff at (435)722-2531.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
July 31, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Rodrigo Jurado	435 722-5302	Regulatory & Compliance Spc
SIGNATURE		**DATE**
N/A		7/31/2013

RECEIVED: Jul. 31, 2013

Sundry Number: 41055 API Well Number: 43013518430000

FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: 1420H624744

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute In

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: Ute Tribal 12-03-E4

2. NAME OF OPERATOR: PETROGLYPH OPERATING CO

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4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0469 FNL 1718 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 12 Township: 05.0S Range: 04.0W Meridian: U

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 8/13/2013	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Petroglyph Operating proposes to deepen the well referenced above to an approximate TVD of 7271' and an approximate MD of 7288'. The well will be drilled according to the approved plan except for the change in depth. Cement volumes will be adjusted accordingly to ensure cement is circulated to surface with appropriate excess.

Approved by the Utah Division of Oil, Gas and Mining

Date: August 14, 2013

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Rodrigo Jurado	435 722-5302	Regulatory & Compliance Spc

SIGNATURE	DATE
N/A	8/6/2013

RECEIVED: Aug. 06, 2013

CONFIDENTIAL

NINE POINT DRILLING PLAN
PETROGLYPH OPERATING COMPANY, INC
UTE TRIBAL 12-03-E4
NE NW, SEC 12, T5S, R4W
DUCHESNE COUNTY, UTAH

1. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Formation		Subsea	TVD	MD
Rig KB=~14' above GGL		**5981**	**0**	**0**
Surface Formation = **Uinta**				
Uinta		**5967**	**14**	**14**
Green River		**4770**	**1211**	**1213**
Trona		3440	2541	2550
Mahogany Shale		3290	2691	2701
"B" Marker	Waterflood Unit Interval	2155	3826	3842
"X" Marker		1660	4321	4338
Douglas Creek Marker		1512	4469	4486
"B" Limestone		1115	4866	4883
Base Castle Peak Limestone		570	5411	5428
BSCARB		175	5806	5817
Wasatch		**-90**	**6071**	**6071**
Formation at TD: Wasatch	**Rig TD**	**-1290**	**7271**	**7288**

2. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERAL FORMATIONS:

Substance	Formation	Subsea	TVD	MD
Base of moderately saline ground water*	Uinta	5950	31	31
Oil/Gas	Douglas Creek	1512	4469	4486
Oil/Gas	Castle Peak	570	5411	5428

Any water encountered during drilling shall be sampled, analyzed and reported to BLM, Vernal office using State of Utah DOGM Form 7 *Report of Water Encountered during Drilling*. The following analyses shall be performed on any water encountered:

Flow rate (or blowtest)	Temperature	pH	TDS
Dissolved Iron	Dissolved Magnesium	Dissolved Bicarb.	Dissolved Sulfate
Dissolved Calcium	Dissolved Sodium	Dissolved Carbonate	Dissolved Chloride

All depths through the "Base of moderately saline ground water"*, along with any water encountered below that depth which is less than 10,000 TDS, shall be protected by the surface casing or by lifting the cement of the production casing into the surface casing.

*Base of Moderately Saline Groundwater from Howells, Longson and Hunt, 1981, Utah State Technical Publication 92: The Base of the Moderately Saline Water in the Uinta Basin, Utah

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NINE POINT DRILLING PLAN
PETROGLYPH OPERATING COMPANY, INC
UTE TRIBAL 12-03-E4
NE NW, SEC 12, T5S, R4W
DUCHESNE COUNTY, UTAH

3. PROPOSED CASING PROGRAM:

String	Hole	Casing	Top - MD	Bottom - MD	Weight lb/ft	Grade	Thread
Conductor	20"	14"	surface	54'	steel	Cond'r	none
Surface	12-1/4"	8-5/8"	surface	494'	24	J-55	STC
Production	7-7/8"	5-1/2"	surface	7288'	15.5	J-55	LTC

String	Hole	Casing	Collapse	Burst	Tensile
Surface	12-1/4"	8-5/8"	1,370 psi	2,950 psi	244,000 lb
Production	7-7/8"	5-1/2"	4,040 psi	4,810 psi	248,000 lb

- All casing will be new or inspected.
- The surface and production strings shall have a minimum of one (1) centralizer on each of the bottom three (3) joints.
- The production string shall have a minimum of one (1) centralizer for every three (3) joints from TD to the top of the "B" marker at 3842'MD.

4. PROPOSED CEMENTING PROGRAM:

String	Top / Bottom	Cement Description	Sacks / Vol (ft^3)	Excess	Weight (ppg)	Yield (ft^3/sk)
Conductor	0 / 54	Construction Grade Cement	Sufficient volumes to grout Conductor			
Surface	0 / 494	Class G +2% CaCl2 +0.25 lb/sk Cello Flake	227 / 265	30%	15.8	1.17
Production Lead	0 / 3842	EXPANDACEM (Class G +additives) + 1 lb/sk Granulite TR¼ (LCM)	451 / 866	30%	12.5	1.92
Production Tail	3842 / 7288	EXPANDACEM (Class G +additives) + 1 lb/sk Granulite TR¼ (LCM)	532 / 776	30%	13.4	1.46

- The 8-5/8" surface casing shall be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.
- The 5-1/2" production casing shall be cemented back to surface. In the event that during the primary cementing operation the cement does not circulate to surface, a remedial cementing operation shall be performed only if necessary to lift cement above the Trona at 2550'MD.

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PETROGLYPH OPERATING COMPANY, INC
UTE TRIBAL 12-03-E4
NE NW, SEC 12, T5S, R4W
DUCHESNE COUNTY, UTAH

5. MINIMUM PRESSURE CONTROL AND SAFETY EQUIPMENT:

- An 8", 2000 PSI, Double Ram BOPE with Hydraulic Closing Unit shall be used.
- A 2000 PSI Working Pressure Annular shall be used.
- The flowline shall have a minimum diameter of 10".
- Auxiliary equipment shall be a Kelly Cock, Bit Float, and a TIW valve with drill pipe threads.
- Spark arrestors shall be equipped on all engine exhausts within 100 feet of the wellbore.
- See attached 2,000 psi BOP schematic diagram.

BOPE TESTING PROCEDURE:

- The BOPE shall be tested by a professional tester to conform to Onshore Order #2.

6. MUD PROGRAM:

A. SURFACE HOLE

- The surface hole will be drilled with an air/mist system from 0' to 494'. All cutting shall be directed to pit.
- A trailer-mounted compressor with a capacity of 2000 CFM will be used. Compressor will have a safety shut-off valve located less than 15 feet from the driller's controls of the rig.
- The rat and mouse holes will be drilled with the air rig after surface casing is cemented.
- The 140 barrel water truck used with the deduster will be the source of kill fluid in the highly unlikely event of pressure being encountered during drilling of the surface hole.
- Operator requests the following variances from Onshore Order 2 part E during drilling of the surface hole. Operator will use air drilling techniques only on surface hole:
  - Operator requests a variance to regulations requiring the blooie line discharge to be 100' from the wellbore. Due to reduced location size, the blooie line discharge will be approximately 75' from the wellbore and securely anchored.
  - Operator requests a variance to regulations requiring an automatic igniter or continuous pilot light on the blooie line. A mister shall be on the end of the blooie line.
  - Operator requests a variance to regulations requiring compressors be located in the opposite direction from the blooie line; a minimum of 100' from the wellbore. Due to the reduced location size, the compressors shall be located as close as is reasonable to the opposite direction from the blooie line and 75' from the wellbore.
  - Operator requests a variance to regulations requiring a BOPE on the hole when drilling the surface hole. An air bowl shall be utilized on the diverter system in place of a BOPE.

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NINE POINT DRILLING PLAN
PETROGLYPH OPERATING COMPANY, INC
UTE TRIBAL 12-03-E4
NE NW, SEC 12, T5S, R4W
DUCHESNE COUNTY, UTAH

B. PRODUCTION HOLE

- The production hole shall be drilled with a freshwater polymer system from 494' to 7288'. LSND mud if conditions warrant.

- Clay inhibition and hole stability shall be achieved with a Diammonium Phosphate (DAP) additive or similar source of clay-stabilizing ions. Anticipated mud weight is 8.3-8.8 lbs/gal. although mud weight up to 10lbs/gal may be used if necessary to prevent wellbore wall instability due to the planned inclination of the well.

- All cuttings and circulating medium shall be directed into the reserve pit. Total Dissolved Solids (TDS) are anticipated to be less than 3000 PPM.

- Sufficient mud inventory will be maintained on location in either tanks or the reserve pit during the drilling of the production hole to handle any adverse conditions that may arise.

- If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite. Enough material shall be maintained on location to allow for the mudweight to be raised to 10.5 lbs/gal should need arise.

- During drilling operations, pit levels and flow from the well shall be monitored by instrumentation to include at least: a pit volume totalizer (PVT), a stroke counter, and a mud-flow indicator.

- A mud-gas separator shall be available on location.

C. HAZARDOUS MATERIALS AND POLLUTANTS

- Chromate additives **shall NOT** be used in the mud system on Indian lands without prior DOGM approval to ensure adequate protection of freshwater aquifers.

- Chemicals subject to reporting under SARA Title III in an amounts equal to or greater than 10,000 pounds annually **shall NOT** be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completion of this well.

- Extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities **shall NOT** be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completion of this well.

- Hazardous substances specifically listed by the EPA as a hazardous waste, as defined in 40 CFR 261 (D), or any substances that through their use would lead to the generation of a hazardous waste, **shall NOT** be used in association with the drilling, testing, or completion of this well.

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DUCHESNE COUNTY, UTAH

7. EVALUATION PROGRAM:

Logs:	Triple Combo	TD to base of surface casing (AIT, DSN, CDL) Base of surface casing to surface (GR only)
Cores:	None planned	
DST:	None planned	
Testing:	Operator plans no testing until the completion phase of the well.	

8. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

- Operator anticipates Bottom Hole Temperatures below 150°F, the maximum temperature for DAP drilling fluids.
- No H_2S has been encountered or is known to exist from previous drilling in the area at this depth.
- Maximum pressure for hydrocarbon bearing zones at native conditions in this area is approximately 1822 PSI (0.25 PSI/ft gradient).
- This well is NOT in the vicinity of active injection wells. Nearby active injection can cause pressures up to a 0.433 PSI/ft gradient .

9. DIRECTIONAL WELL PLAN:

- Well shall be drilled directionally in order to limit surface disturbance.
- A Positive Displacement Motor with a bent sub of 1.25° to 1.75° will be used to control well path.
- A directional survey shall be taken at least one (1) time per 100' of drilling.
- Anti-collision equipment will not be used as there are no existing wells in the vicinity of the proposed well path.
- While cutting the Waterflood Unit Interval from 3842' to 5817', the actual well path may be allowed to vary up to 100' horizontally from plan in order to prevent excessive slide drilling. Above and below the Waterflood Unit Interval, variances in excess 100' horizontally from plan may be allowed.
- Directional drilling plan is attached.

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UTE TRIBAL 12-03-E4
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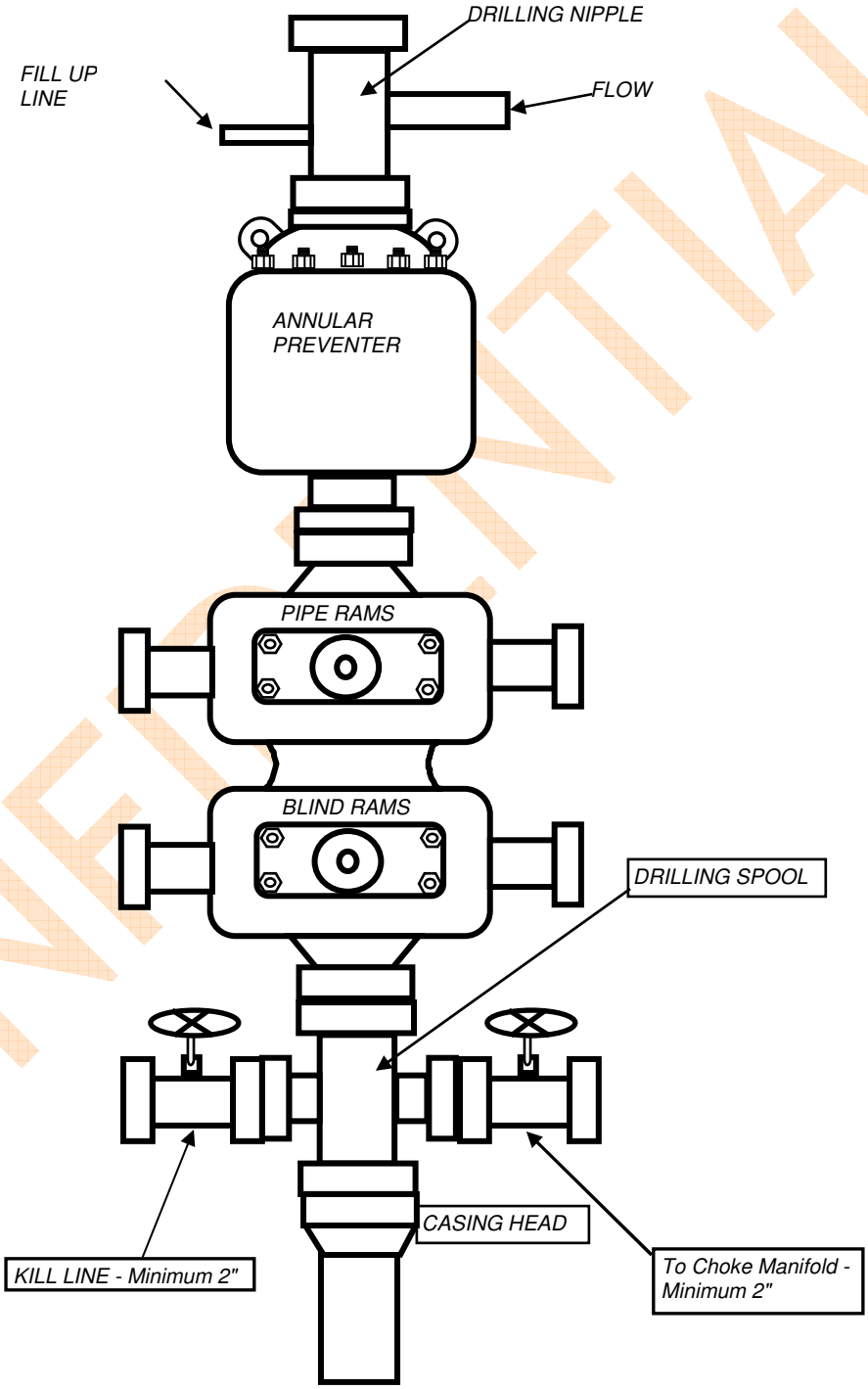
TYPICAL 2,000 p.s.i. BLOWOUT PREVENTER



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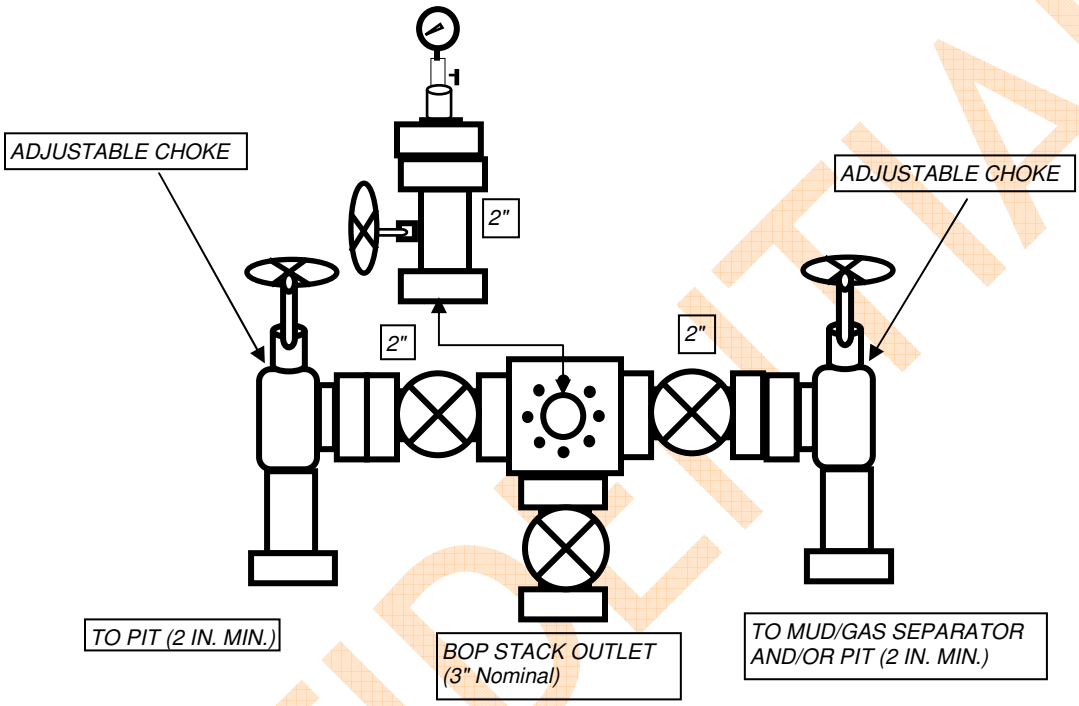
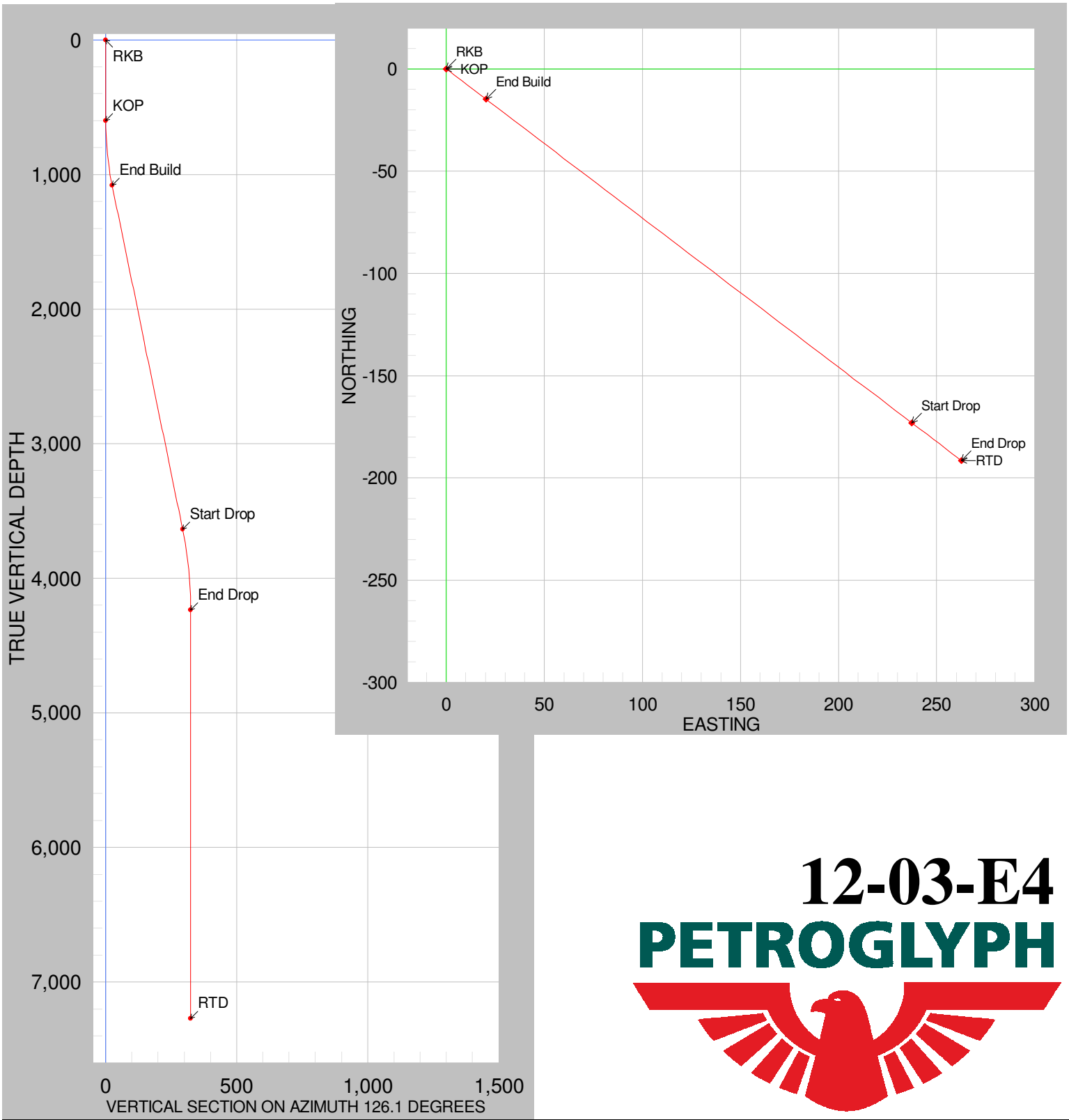
NINE POINT DRILLING PLAN
PETROGLYPH OPERATING COMPANY, INC
UTE TRIBAL 12-03-E4
NE NW, SEC 12, T5S, R4W
DUCHESNE COUNTY, UTAH

TYPICAL 2,000 p.s.i. CHOKE MANIFOLD



RECEIVED: Aug. 06, 2013



12-03-E4

PETROGLYPH

#	Reference	Type	MD	Inc	Azi	TVD	N	E	DLS	Vert S
0	RKB	Tie Point	0.00	0.00	0.00	0.00	0.00	0.00		0.00
1	KOP	Vertical	600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00
2	End Build	Build	1080.00	6.00	126.10	1079.12	-14.79	20.29	1.25	25.11
3	Start Drop	Tangent	3650.00	6.00	126.10	3635.04	-173.08	237.35	0.00	293.75
4	End Drop	Drop	4250.00	0.00	0.00	4233.95	-191.57	262.71	1.00	325.14
5	RTD	Vertical	7288.00	0.00	0.00	7271.95	-191.57	262.71	0.00	325.14

RECEIVED: Aug. 06, 2013

12-03-E4, Plan 1

Operator	Petroglyph	**Units**	feet, °/100ft	10:21 Monday, August 05, 2013	Page 1 of 5
Field		**County**	Duchesne	**Vertical Section Azimuth**	126.1
Well Name	12-03-E4	**State**	UT	**Survey Calculation Method**	Minimum Curvature
Plan	1	**Country**	USA	**Database**	Access

Location	469' FNL 1718' FWL 12-5s-4w		**MapZone**	**Lat Long Ref**	
Site			**SurfaceX**	**Surface Long**	
Slot Name		**UWI**	**SurfaceY**	**Surface Lat**	
Well Number		**API**	**Z Datum**		
Project			**Surface Z**	**Ground Level**	

DIRECTIONAL WELL PLAN

MD* ft	INC* deg	AZI* deg	TVD* ft	N* ft	E* ft	DLS* °/100ft	V. S.* ft	MapE* ft	MapN* ft	SysTVD* ft
*** RKB (at MD = 0.00)										
0.00	0.00	0.0	0.00	0.00	0.00		0.00			
50.00	0.00	0.0	50.00	0.00	0.00	0.00	0.00			
100.00	0.00	0.0	100.00	0.00	0.00	0.00	0.00			
150.00	0.00	0.0	150.00	0.00	0.00	0.00	0.00			
200.00	0.00	0.0	200.00	0.00	0.00	0.00	0.00			
250.00	0.00	0.0	250.00	0.00	0.00	0.00	0.00			
300.00	0.00	0.0	300.00	0.00	0.00	0.00	0.00			
350.00	0.00	0.0	350.00	0.00	0.00	0.00	0.00			
400.00	0.00	0.0	400.00	0.00	0.00	0.00	0.00			
450.00	0.00	0.0	450.00	0.00	0.00	0.00	0.00			
500.00	0.00	0.0	500.00	0.00	0.00	0.00	0.00			
550.00	0.00	0.0	550.00	0.00	0.00	0.00	0.00			
*** KOP (at MD = 600.00)										
600.00	0.00	0.0	600.00	0.00	0.00	0.00	0.00			
650.00	0.63	126.1	650.00	-0.16	0.22	1.25	0.27			
700.00	1.25	126.1	699.99	-0.64	0.88	1.25	1.09			
750.00	1.88	126.1	749.97	-1.45	1.98	1.25	2.45			
800.00	2.50	126.1	799.94	-2.57	3.53	1.25	4.36			
850.00	3.13	126.1	849.88	-4.02	5.51	1.25	6.82			
900.00	3.75	126.1	899.79	-5.78	7.93	1.25	9.81			
950.00	4.38	126.1	949.66	-7.87	10.79	1.25	13.36			
1000.00	5.00	126.1	999.49	-10.28	14.09	1.25	17.44			
1050.00	5.63	126.1	1049.28	-13.00	17.83	1.25	22.07			
*** END BUILD (at MD = 1080.00)										
1080.00	6.00	126.1	1079.12	-14.79	20.29	1.25	25.11			
1100.00	6.00	126.1	1099.01	-16.03	21.98	0.00	27.20			
1150.00	6.00	126.1	1148.74	-19.11	26.20	0.00	32.43			
1200.00	6.00	126.1	1198.47	-22.19	30.42	0.00	37.65			
1250.00	6.00	126.1	1248.19	-25.26	34.65	0.00	42.88			
1300.00	6.00	126.1	1297.92	-28.34	38.87	0.00	48.11			
1350.00	6.00	126.1	1347.64	-31.42	43.09	0.00	53.33			
1400.00	6.00	126.1	1397.37	-34.50	47.32	0.00	58.56			
1450.00	6.00	126.1	1447.10	-37.58	51.54	0.00	63.79			
1500.00	6.00	126.1	1496.82	-40.66	55.76	0.00	69.01			
1550.00	6.00	126.1	1546.55	-43.74	59.98	0.00	74.24			

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12-03-E4, Plan 1

Operator	Petroglyph	**Units**	feet, °/100ft	10:21 Monday, August 05, 2013	Page 2 of 5
Field		**County**	Duchesne	**Vertical Section Azimuth**	126.1
Well Name	12-03-E4	**State**	UT	**Survey Calculation Method**	Minimum Curvature
Plan	1	**Country**	USA	**Database**	Access

Location	469' FNL 1718' FWL 12-5s-4w		**MapZone**	**Lat Long Ref**	
Site			**SurfaceX**	**Surface Long**	
Slot Name		**UWI**	**SurfaceY**	**Surface Lat**	
Well Number		**API**	**Z Datum**		
Project			**Surface Z**	**Ground Level**	

DIRECTIONAL WELL PLAN

MD* ft	INC* deg	AZI* deg	TVD* ft	N* ft	E* ft	DLS* °/100ft	V. S.* ft	MapE* ft	MapN* ft	SysTVD* ft
1600.00	6.00	126.1	1596.27	-46.82	64.21	0.00	79.46			
1650.00	6.00	126.1	1646.00	-49.90	68.43	0.00	84.69			
1700.00	6.00	126.1	1695.73	-52.98	72.65	0.00	89.92			
1750.00	6.00	126.1	1745.45	-56.06	76.88	0.00	95.14			
1800.00	6.00	126.1	1795.18	-59.14	81.10	0.00	100.37			
1850.00	6.00	126.1	1844.91	-62.22	85.32	0.00	105.60			
1900.00	6.00	126.1	1894.63	-65.30	89.54	0.00	110.82			
1950.00	6.00	126.1	1944.36	-68.38	93.77	0.00	116.05			
2000.00	6.00	126.1	1994.08	-71.46	97.99	0.00	121.28			
2050.00	6.00	126.1	2043.81	-74.53	102.21	0.00	126.50			
2100.00	6.00	126.1	2093.54	-77.61	106.44	0.00	131.73			
2150.00	6.00	126.1	2143.26	-80.69	110.66	0.00	136.96			
2200.00	6.00	126.1	2192.99	-83.77	114.88	0.00	142.18			
2250.00	6.00	126.1	2242.71	-86.85	119.10	0.00	147.41			
2300.00	6.00	126.1	2292.44	-89.93	123.33	0.00	152.63			
2350.00	6.00	126.1	2342.17	-93.01	127.55	0.00	157.86			
2400.00	6.00	126.1	2391.89	-96.09	131.77	0.00	163.09			
2450.00	6.00	126.1	2441.62	-99.17	136.00	0.00	168.31			
2500.00	6.00	126.1	2491.34	-102.25	140.22	0.00	173.54			
2550.00	6.00	126.1	2541.07	-105.33	144.44	0.00	178.77			
2600.00	6.00	126.1	2590.80	-108.41	148.66	0.00	183.99			
2650.00	6.00	126.1	2640.52	-111.49	152.89	0.00	189.22			
2700.00	6.00	126.1	2690.25	-114.57	157.11	0.00	194.45			
2750.00	6.00	126.1	2739.97	-117.65	161.33	0.00	199.67			
2800.00	6.00	126.1	2789.70	-120.73	165.56	0.00	204.90			
2850.00	6.00	126.1	2839.43	-123.81	169.78	0.00	210.13			
2900.00	6.00	126.1	2889.15	-126.88	174.00	0.00	215.35			
2950.00	6.00	126.1	2938.88	-129.96	178.22	0.00	220.58			
3000.00	6.00	126.1	2988.61	-133.04	182.45	0.00	225.80			
3050.00	6.00	126.1	3038.33	-136.12	186.67	0.00	231.03			
3100.00	6.00	126.1	3088.06	-139.20	190.89	0.00	236.26			
3150.00	6.00	126.1	3137.78	-142.28	195.12	0.00	241.48			
3200.00	6.00	126.1	3187.51	-145.36	199.34	0.00	246.71			
3250.00	6.00	126.1	3237.24	-148.44	203.56	0.00	251.94			
3300.00	6.00	126.1	3286.96	-151.52	207.79	0.00	257.16			

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12-03-E4, Plan 1

Operator	Petroglyph	**Units**	feet, °/100ft	10:21 Monday, August 05, 2013	Page 3 of 5
Field		**County**	Duchesne	**Vertical Section Azimuth**	126.1
Well Name	12-03-E4	**State**	UT	**Survey Calculation Method**	Minimum Curvature
Plan	1	**Country**	USA	**Database**	Access

Location	469' FNL 1718' FWL 12-5s-4w		**MapZone**	**Lat Long Ref**	
Site			**SurfaceX**	**Surface Long**	
Slot Name		**UWI**	**SurfaceY**	**Surface Lat**	
Well Number		**API**	**Z Datum**		
Project			**Surface Z**	**Ground Level**	

DIRECTIONAL WELL PLAN

MD* ft	INC* deg	AZI* deg	TVD* ft	N* ft	E* ft	DLS* °/100ft	V. S.* ft	MapE* ft	MapN* ft	SysTVD* ft
3350.00	6.00	126.1	3336.69	-154.60	212.01	0.00	262.39			
3400.00	6.00	126.1	3386.41	-157.68	216.23	0.00	267.62			
3450.00	6.00	126.1	3436.14	-160.76	220.45	0.00	272.84			
3500.00	6.00	126.1	3485.87	-163.84	224.68	0.00	278.07			
3550.00	6.00	126.1	3535.59	-166.92	228.90	0.00	283.30			
3600.00	6.00	126.1	3585.32	-170.00	233.12	0.00	288.52			
*** START DROP (at MD = 3650.00)										
3650.00	6.00	126.1	3635.04	-173.08	237.35	0.00	293.75			
3700.00	5.50	126.1	3684.79	-176.03	241.39	1.00	298.76			
3750.00	5.00	126.1	3734.58	-178.72	245.09	1.00	303.33			
3800.00	4.50	126.1	3784.41	-181.16	248.43	1.00	307.47			
3850.00	4.00	126.1	3834.27	-183.35	251.43	1.00	311.18			
3900.00	3.50	126.1	3884.17	-185.27	254.07	1.00	314.45			
3950.00	3.00	126.1	3934.09	-186.94	256.36	1.00	317.28			
4000.00	2.50	126.1	3984.03	-188.36	258.30	1.00	319.68			
4050.00	2.00	126.1	4033.99	-189.51	259.89	1.00	321.64			
4100.00	1.50	126.1	4083.97	-190.41	261.12	1.00	323.17			
4150.00	1.00	126.1	4133.95	-191.05	262.00	1.00	324.26			
4200.00	0.50	126.1	4183.95	-191.44	262.53	1.00	324.92			
*** END DROP (at MD = 4250.00)										
4250.00	0.00	0.0	4233.95	-191.57	262.71	1.00	325.14			
4300.00	0.00	0.0	4283.95	-191.57	262.71	0.00	325.14			
4350.00	0.00	0.0	4333.95	-191.57	262.71	0.00	325.14			
4400.00	0.00	0.0	4383.95	-191.57	262.71	0.00	325.14			
4450.00	0.00	0.0	4433.95	-191.57	262.71	0.00	325.14			
4500.00	0.00	0.0	4483.95	-191.57	262.71	0.00	325.14			
4550.00	0.00	0.0	4533.95	-191.57	262.71	0.00	325.14			
4600.00	0.00	0.0	4583.95	-191.57	262.71	0.00	325.14			
4650.00	0.00	0.0	4633.95	-191.57	262.71	0.00	325.14			
4700.00	0.00	0.0	4683.95	-191.57	262.71	0.00	325.14			
4750.00	0.00	0.0	4733.95	-191.57	262.71	0.00	325.14			
4800.00	0.00	0.0	4783.95	-191.57	262.71	0.00	325.14			
4850.00	0.00	0.0	4833.95	-191.57	262.71	0.00	325.14			
4900.00	0.00	0.0	4883.95	-191.57	262.71	0.00	325.14			
4950.00	0.00	0.0	4933.95	-191.57	262.71	0.00	325.14			

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12-03-E4, Plan 1

Operator	Petroglyph	**Units**	feet, °/100ft	10:21 Monday, August 05, 2013	Page 4 of 5
Field		**County**	Duchesne	**Vertical Section Azimuth**	126.1
Well Name	12-03-E4	**State**	UT	**Survey Calculation Method**	Minimum Curvature
Plan	1	**Country**	USA	**Database**	Access

Location	469' FNL 1718' FWL 12-5s-4w		**MapZone**	**Lat Long Ref**	
Site			**SurfaceX**	**Surface Long**	
Slot Name		**UWI**	**SurfaceY**	**Surface Lat**	
Well Number		**API**	**Z Datum**		
Project			**Surface Z**	**Ground Level**	

DIRECTIONAL WELL PLAN

MD* ft	INC* deg	AZI* deg	TVD* ft	N* ft	E* ft	DLS* °/100ft	V. S.* ft	MapE* ft	MapN* ft	SysTVD* ft
5000.00	0.00	0.0	4983.95	-191.57	262.71	0.00	325.14			
5050.00	0.00	0.0	5033.95	-191.57	262.71	0.00	325.14			
5100.00	0.00	0.0	5083.95	-191.57	262.71	0.00	325.14			
5150.00	0.00	0.0	5133.95	-191.57	262.71	0.00	325.14			
5200.00	0.00	0.0	5183.95	-191.57	262.71	0.00	325.14			
5250.00	0.00	0.0	5233.95	-191.57	262.71	0.00	325.14			
5300.00	0.00	0.0	5283.95	-191.57	262.71	0.00	325.14			
5350.00	0.00	0.0	5333.95	-191.57	262.71	0.00	325.14			
5400.00	0.00	0.0	5383.95	-191.57	262.71	0.00	325.14			
5450.00	0.00	0.0	5433.95	-191.57	262.71	0.00	325.14			
5500.00	0.00	0.0	5483.95	-191.57	262.71	0.00	325.14			
5550.00	0.00	0.0	5533.95	-191.57	262.71	0.00	325.14			
5600.00	0.00	0.0	5583.95	-191.57	262.71	0.00	325.14			
5650.00	0.00	0.0	5633.95	-191.57	262.71	0.00	325.14			
5700.00	0.00	0.0	5683.95	-191.57	262.71	0.00	325.14			
5750.00	0.00	0.0	5733.95	-191.57	262.71	0.00	325.14			
5800.00	0.00	0.0	5783.95	-191.57	262.71	0.00	325.14			
5850.00	0.00	0.0	5833.95	-191.57	262.71	0.00	325.14			
5900.00	0.00	0.0	5883.95	-191.57	262.71	0.00	325.14			
5950.00	0.00	0.0	5933.95	-191.57	262.71	0.00	325.14			
6000.00	0.00	0.0	5983.95	-191.57	262.71	0.00	325.14			
6050.00	0.00	0.0	6033.95	-191.57	262.71	0.00	325.14			
6100.00	0.00	0.0	6083.95	-191.57	262.71	0.00	325.14			
6150.00	0.00	0.0	6133.95	-191.57	262.71	0.00	325.14			
6200.00	0.00	0.0	6183.95	-191.57	262.71	0.00	325.14			
6250.00	0.00	0.0	6233.95	-191.57	262.71	0.00	325.14			
6300.00	0.00	0.0	6283.95	-191.57	262.71	0.00	325.14			
6350.00	0.00	0.0	6333.95	-191.57	262.71	0.00	325.14			
6400.00	0.00	0.0	6383.95	-191.57	262.71	0.00	325.14			
6450.00	0.00	0.0	6433.95	-191.57	262.71	0.00	325.14			
6500.00	0.00	0.0	6483.95	-191.57	262.71	0.00	325.14			
6550.00	0.00	0.0	6533.95	-191.57	262.71	0.00	325.14			
6600.00	0.00	0.0	6583.95	-191.57	262.71	0.00	325.14			
6650.00	0.00	0.0	6633.95	-191.57	262.71	0.00	325.14			
6700.00	0.00	0.0	6683.95	-191.57	262.71	0.00	325.14			

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12-03-E4, Plan 1

Operator	Petroglyph	**Units**	feet, °/100ft	10:21 Monday, August 05, 2013	Page 5 of 5
Field		**County**	Duchesne	**Vertical Section Azimuth**	126.1
Well Name	12-03-E4	**State**	UT	**Survey Calculation Method**	Minimum Curvature
Plan	1	**Country**	USA	**Database**	Access

Location	469' FNL 1718' FWL 12-5s-4w		**MapZone**	**Lat Long Ref**	
Site			**SurfaceX**	**Surface Long**	
Slot Name		**UWI**	**SurfaceY**	**Surface Lat**	
Well Number		**API**	**Z Datum**		
Project			**Surface Z**	**Ground Level**	

DIRECTIONAL WELL PLAN

MD* ft	INC* deg	AZI* deg	TVD* ft	N* ft	E* ft	DLS* °/100ft	V. S.* ft	MapE* ft	MapN* ft	SysTVD* ft
6750.00	0.00	0.0	6733.95	-191.57	262.71	0.00	325.14			
6800.00	0.00	0.0	6783.95	-191.57	262.71	0.00	325.14			
6850.00	0.00	0.0	6833.95	-191.57	262.71	0.00	325.14			
6900.00	0.00	0.0	6883.95	-191.57	262.71	0.00	325.14			
6950.00	0.00	0.0	6933.95	-191.57	262.71	0.00	325.14			
7000.00	0.00	0.0	6983.95	-191.57	262.71	0.00	325.14			
7050.00	0.00	0.0	7033.95	-191.57	262.71	0.00	325.14			
7100.00	0.00	0.0	7083.95	-191.57	262.71	0.00	325.14			
7150.00	0.00	0.0	7133.95	-191.57	262.71	0.00	325.14			
7200.00	0.00	0.0	7183.95	-191.57	262.71	0.00	325.14			
7250.00	0.00	0.0	7233.95	-191.57	262.71	0.00	325.14			
*** RTD (at MD = 7288.00)										
7288.00	0.00	0.0	7271.95	-191.57	262.71	0.00	325.14			

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Form 3160-3
(August 2007)

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NOV 03 2012
BLM

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

CONFIDENTIAL

1a. Type of Work: ☒ DRILL ☐ REENTER	5. Lease Serial No. 1420H624744
	6. If Indian, Allottee or Tribe Name UINTAH AND OURAY
	7. If Unit or CA Agreement, Name and No. 1420H624650
1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone	8. Lease Name and Well No. UTE TRIBAL 12-03-E4
2. Name of Operator PETROGLYPH OPERATING CO INC Contact: ED H TROTTER E-Mail: edtrotter@easilink.com	9. API Well No. 43013 51843
3a. Address ROOSEVELT, UT 84066 / 3b. Phone No. (include area code) Ph: 435-789-4120 Fx: 435-789-1420	10. Field and Pool, or Exploratory ANTELOPE CREEK
4. Location of Well *(Report location clearly and in accordance with any State requirements.*)* At surface NENW 469FNL 1718FWL 40.066875 N Lat, 110.287756 W Lon At proposed prod. zone NENW 660FNL 1980FWL 40.066347 N Lat, 110.286825 W Lon	11. Sec., T., R., M., or Blk. and Survey or Area Sec 12 T5S R4W Mer UBM SME: FEE
14. Distance in miles and direction from nearest town or post office* 16.89 MILES SOUTHWEST OF MYTON, UTAH	12. County or Parish DUCHESNE / 13. State UT
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 469 / 16. No. of Acres in Lease 480.00	17. Spacing Unit dedicated to this well
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 2142 / 19. Proposed Depth 6073 MD 6056 TVD	20. BLM/BIA Bond No. on file LPM4138335
21. Elevations (Show whether DF, KB, RT, GL, etc. 5968 GL / 22. Approximate date work will start 01/15/2013	23. Estimated duration 45 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature	Name (Printed/Typed)	Date
(Electronic Submission)	LESTER FARNSWORTH Ph: 435-722-2531	11/02/2012

Title: DISTRICT MANAGER

Approved by (Signature)	Name (Printed/Typed)	Date
	Jerry Kenczka	JUL 25 2013
Title: Assistant Field Manager Lands & Mineral Resources	Office	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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JUL 30 2013
DIV. OF OIL, GAS & MINING

Additional Operator Remarks (see next page)

Electronic Submission #157721 verified by the BLM Well Information System
For PETROGLYPH OPERATING CO INC, sent to the Vernal
Committed to AFMSS for processing by JOHNETTA MAGEE on 11/13/2012 (13JM0786AE)

NOTICE OF APPROVAL

UDOGM

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**PETROGLYPH OPERATING CO.**	**Location:**	**NENW, Sec. 12, T5S, R4W**
Well No:	**UTE TRIBAL 12-03-E4**	**Lease No:**	**14-20-H62-4744**
API No:	**43-013-51843**	**Agreement:**	**N/A**

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	-	The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	-	Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to:blm_ut_vn_opreport@blm.gov.
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

- Any deviation of submitted APD's, which includes Petroglyph's surface use plan, and the operator will notify the BLM in writing and will receive written authorization of any such change with appropriate authorization.

- All operator employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's, and COA authorizations on their person(s) during all phases of construction.

- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.

- The Authorized Officer from the BLM will be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease until resources can be identified and protected properly.

- Production facilities would be painted Covert Green for the 12-03-E4 to blend in with the surrounding habitat, unless otherwise stated from the private land owner agreement.

- Site reclamation would be accomplished for portions of the well pad not needed for production, within 6 months of completion, weather permitting. This also includes any roads, and pipeline areas that have been disturbed as well. Roads and pipeline disturbances can undergo reclamation immediately after the pipeline is installed and after the roads are built. Please contact surface owner or the BLM AO for possible seed mixes to use in the project area. Non-natives can be used; however lbs/ac must be kept low to minimize the chance of a monoculture.

- The pad locations will be recontoured and planted in native vegetation as per the land owner's request.

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- Gamma Ray Log shall be run from Total Depth to Surface
- CBL will be run from TD to TOC.
- Cement for the surface casing will be circulated to the surface.
- Cement for long-string shall be circulated 200' above surface casing shoe.

Variance Granted

- Variance for Air-drilling is granted per

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well by CD (compact disc). This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.
    - Well name and number.
    - Well location (¼¼, Sec., Twn, Rng, and P.M.).
    - Date well was placed in a producing status (date of first production for which royalty will be paid).
    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
    - Unit agreement and/or participating area name and number, if applicable.
    - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if

performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

RECEIVED
AUG 05 2013
Div. of Oil, Gas & Mining

FORM 6

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM

Operator: Petroglyph Operating Company
Operator Account Number: N 3800
Address: P.O. Box 607
city Roosevelt
state UT zip 84066
Phone Number: (435) 722-2531

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301351843	Ute Tribal 12-03-E4		NENW	12	5S	4W	Duchesne
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
B	99999	18870	7/31/2013				

Comments: Please add to existing Ute Tribal 01-14-E4 Tank Battery.
GRRV

CONFIDENTIAL

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

ACTION CODES:
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Rodrigo Jurado
Name (Please Print)

Signature

Regulatory Compliance Spc
Title

7/31/2013
Date

(5/2000)

Form 3160-3
(August 2007)

RECEIVED
NOV 03 2012
BLM

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

CONFIDENTIAL

1a. Type of Work: ☒ DRILL ☐ REENTER	5. Lease Serial No. 1420H624744
	6. If Indian, Allottee or Tribe Name UINTAH AND OURAY
	7. If Unit or CA Agreement, Name and No. 1420H624650
1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone	8. Lease Name and Well No. UTE TRIBAL 12-03-E4
2. Name of Operator PETROGLYPH OPERATING CO INC Contact: ED H TROTTER E-Mail: edtrotter@easilink.com	9. API Well No. 43013 51843
3a. Address ROOSEVELT, UT 84066 / 3b. Phone No. (include area code) Ph: 435-789-4120 Fx: 435-789-1420	10. Field and Pool, or Exploratory ANTELOPE CREEK
4. Location of Well *(Report location clearly and in accordance with any State requirements.*)* At surface NENW 469FNL 1718FWL 40.066875 N Lat, 110.287756 W Lon At proposed prod. zone NENW 660FNL 1980FWL 40.066347 N Lat, 110.286825 W Lon	11. Sec., T., R., M., or Blk. and Survey or Area Sec 12 T5S R4W Mer UBM SME: FEE
14. Distance in miles and direction from nearest town or post office* 16.89 MILES SOUTHWEST OF MYTON, UTAH	12. County or Parish DUCHESNE / 13. State UT
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 469 / 16. No. of Acres in Lease 480.00	17. Spacing Unit dedicated to this well
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 2142 / 19. Proposed Depth 6073 MD 6056 TVD	20. BLM/BIA Bond No. on file LPM4138335
21. Elevations (Show whether DF, KB, RT, GL, etc. 5968 GL / 22. Approximate date work will start 01/15/2013	23. Estimated duration 45 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature	Name (Printed/Typed)	Date
(Electronic Submission)	LESTER FARNSWORTH Ph: 435-722-2531	11/02/2012

Title: DISTRICT MANAGER

Approved by (Signature)	Name (Printed/Typed)	Date
	Jerry Kenczka	JUL 25 2013
Title: Assistant Field Manager Lands & Mineral Resources	Office	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED
JUL 30 2013
DIV. OF OIL, GAS & MINING

Additional Operator Remarks (see next page)

Electronic Submission #157721 verified by the BLM Well Information System
For PETROGLYPH OPERATING CO INC, sent to the Vernal
Committed to AFMSS for processing by JOHNETTA MAGEE on 11/13/2012 (13JM0786AE)

NOTICE OF APPROVAL

UDOGM

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**PETROGLYPH OPERATING CO.**	**Location:**	**NENW, Sec. 12, T5S, R4W**
Well No:	**UTE TRIBAL 12-03-E4**	**Lease No:**	**14-20-H62-4744**
API No:	**43-013-51843**	**Agreement:**	**N/A**

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	-	The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	-	Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to:blm_ut_vn_opreport@blm.gov.
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

- Any deviation of submitted APD's, which includes Petroglyph's surface use plan, and the operator will notify the BLM in writing and will receive written authorization of any such change with appropriate authorization.

- All operator employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's, and COA authorizations on their person(s) during all phases of construction.

- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.

- The Authorized Officer from the BLM will be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease until resources can be identified and protected properly.

- Production facilities would be painted Covert Green for the 12-03-E4 to blend in with the surrounding habitat, unless otherwise stated from the private land owner agreement.

- Site reclamation would be accomplished for portions of the well pad not needed for production, within 6 months of completion, weather permitting. This also includes any roads, and pipeline areas that have been disturbed as well. Roads and pipeline disturbances can undergo reclamation immediately after the pipeline is installed and after the roads are built. Please contact surface owner or the BLM AO for possible seed mixes to use in the project area. Non-natives can be used; however lbs/ac must be kept low to minimize the chance of a monoculture.

- The pad locations will be recontoured and planted in native vegetation as per the land owner's request.

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

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- **Please submit an electronic copy of all other logs run on this well by CD (compact disc). This submission will supersede the requirement for submittal of paper logs to the BLM.**

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    - Operator name, address, and telephone number.
    - Well name and number.
    - Well location (¼¼, Sec., Twn, Rng, and P.M.).
    - Date well was placed in a producing status (date of first production for which royalty will be paid).
    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
    - Unit agreement and/or participating area name and number, if applicable.
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- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

RECEIVED
AUG 05 2013
Div. of Oil, Gas & Mining

FORM 6

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM

Operator: Petroglyph Operating Company
Operator Account Number: N 3800
Address: P.O. Box 607
city Roosevelt
state UT zip 84066
Phone Number: (435) 722-2531

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301351843	Ute Tribal 12-03-E4		NENW	12	5S	4W	Duchesne
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
B	99999	18870	7/31/2013				

Comments: Please add to existing Ute Tribal 01-14-E4 Tank Battery.
GRRV

CONFIDENTIAL

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

ACTION CODES:
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Rodrigo Jurado
Name (Please Print)

Signature

Regulatory Compliance Spc
Title

7/31/2013
Date

(5/2000)

CONFIDENTIAL

Print Form

BLM - Vernal Field Office - Notification Form

Operator Petroglyph Operating Co. Rig Name/# CapStar 334
Submitted By Geno Rowland Phone Number 970-361-3271
Well Name/Number Ute Tribal 12-03-E4
Qtr/Qtr NE/NW Section 12 Township 5S Range 4W
Lease Serial Number 14-20-H62-4744
API Number 43-013-51843

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☑ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 08/18/2013 07:00 AM ☑ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

RECEIVED
AUG 17 2013
DIV. OF OIL, GAS & MINING

Date/Time _____ _____ AM ☐ PM ☐

Remarks Intend to run 5-1/2" Prod. Csng. to a shoe depth of 7312'MD

CONFIDENTIAL

Print Form

BLM - Vernal Field Office - Notification Form

Operator Petroglyph Operating Co. Rig Name/# CapStar 334
Submitted By Geno Rowland Phone Number 970-361-3271
Well Name/Number Ute Tribal 12-03-E4
Qtr/Qtr NE/NW Section 12 Township 5S Range 4W
Lease Serial Number 14-20-H62-4744
API Number 43-013-51843

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

☐ Surface Casing
☐ Intermediate Casing
☐ Production Casing
☐ Liner
☐ Other

Date/Time _____ _____ AM ☐ PM ☐

BOPE

☑ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

Date/Time 08/13/2013 15:00 AM ☐ PM ☑

Remarks Intend to test an 11"x 5M Townsend BOP at srfc. csng. ~~point.~~

RECEIVED
AUG 12 2013
DIV. OF OIL, GAS & MINING

Sundry Number: 42971 API Well Number: 43013518430000

FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
1420H624744

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Ute In

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
Ute Tribal 12-03-E4

2. NAME OF OPERATOR:
PETROGLYPH OPERATING CO

9. API NUMBER:
43013518430000

3. ADDRESS OF OPERATOR:
960 Broadway Avenue, Ste 500 , Boise, ID, 83703

PHONE NUMBER:
208 685-7685 Ext

9. FIELD and POOL or WILDCAT:
BRUNDAGE CANYON

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0469 FNL 1718 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NENW Section: 12 Township: 05.0S Range: 04.0W Meridian: U

COUNTY:
DUCHESNE

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 10/2/2013	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	✓ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	✓ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see attached.

Accepted by the Utah Division of Oil, Gas and Mining

Date: October 02, 2013

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Rodrigo Jurado	435 722-5302	Regulatory & Compliance Spc
SIGNATURE		**DATE**
N/A		9/27/2013

RECEIVED: Sep. 27, 2013

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-4744
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Indian Tribe
7. UNIT or CA AGREEMENT NAME: 14-20-H62-4650
1. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ OTHER
8. WELL NAME and NUMBER: Ute Tribal 12-03-E4
2. NAME OF OPERATOR: Petroglyph Operating Company Inc.
9. API NUMBER: 4301351843
3. ADDRESS OF OPERATOR: P.O. Box 607 CITY Roosevelt STATE UT ZIP 84066
PHONE NUMBER: (435) 722-2531
10. FIELD AND POOL, OR WILDCAT: Antelope Creek
4. LOCATION OF WELL
FOOTAGES AT SURFACE: 469' FNL, 1718' FWL
COUNTY: Duchesne
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 12 5S 4W U
STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 10/2/2013	☐ ALTER CASING	☑ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☑ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On or around 10/2/2013, depending on equipment availability, Petroglyph Operating intends to perforate the following: 4133-37, 4177-79, 4207-09, 4656-61, 4766-74, 4811-20, 5004-07, 5010-22, 5116-18, 5148-50, 5160-64, 5168-70, 5196-5200, 5214-16, 5309-13, 5321-23, 5433-47, 5450-52, 5581-89, 5591-98, 5710-12, 5724-30, 5765-67, 5786-98, 5887-89, 5893-97, 5912-14, 5933-35, 5949-51, 5990-92, 6417-21, 6428-31, 6752-60, 6799-6807 & 7136-44. All perforations will be made using Titan 3-1/8" Perf Guns containing 22.7 gram charges, 0.42" EHD, 23.54" TTP @ 4 SPF @ 120* Phased. Using Halliburton 8K Composite Plugs for isolation we intent to fracture treat the following intervals:
6417-7144: 39,200 Gal of fluid containing 70,000#'s of sand,
5887-5992: 15% HCL (Vol yet to be determined) followed by a fresh water over flush,
5710-5798: 28,000 Gal of fluid containing 50,000#'s of sand,
5581-5598: 22,400 Gal of fluid containing 40,000#'s of sand,
5309-5452: 28,000 Gal of fluid containing 50,000#'s of sand,
5116-5216: 19,600 Gal of fluid containing 35,000#'s of sand,
5004-5022: 22,400 Gal of fluid containing 40,000#'s of sand, 4766-4820: 22,400 Gal of fluid containing 40,000#'s of sand, 4656-4774: 8,400 Gal of fluid containing 15,000#'s of sand & 4133-4209: 11,200 Gal of fluid containing 20,000#'s of sand. Fluid used will be 15-18# gelled fluid and sand will be 20/40 Mesh Sand. All plugs will drilled out and cleaned out. The well will be swabbed back as needed before being put to pump. Fluid Volumes and amounts of sand are only estimates and will be adjusted as needed during the completion process. Actual figures will be reported at a later date.

NAME (PLEASE PRINT) Rodrigo Jurado
TITLE Regulatory Compliance Specialist
SIGNATURE
DATE 9/26/2013

(This space for State use only)

AFFIDAVIT OF NOTICE

State of Idaho)
) ss
County of Ada)

I, Vera Johnson, the affiant herein, being of lawful age and duly sworn upon his oath deposes and states as follows:

Vera Johnson is the Land Administrator for Petroglyph Energy, Inc., an Idaho Corporation, with headquarters located at 960 Broadway Avenue, Suite 500, Boise, ID 83706, and is duly authorized to make this Affidavit on behalf of said corporation.

Petroglyph Energy, Inc. has submitted notices to commingle production from the Wasatch and Green River formations in the following well lying within the boundaries of the Antelope Creek Plan of Cooperative Development – BIA Lease # UTE 14-20-H62-4744:

UTE TRIBAL 12-03-E4

This Affidavit is made in accordance with Utah's Oil, Gas and Mining regulation R649-3-22. As operator, Petroglyph Energy, Inc. is the only owner of contiguous oil and gas leases overlying the pool and no notice to other parties is necessary.

Petroglyph Energy, Inc.

Vera Johnson

State of Idaho)
) ss
County of Ada)

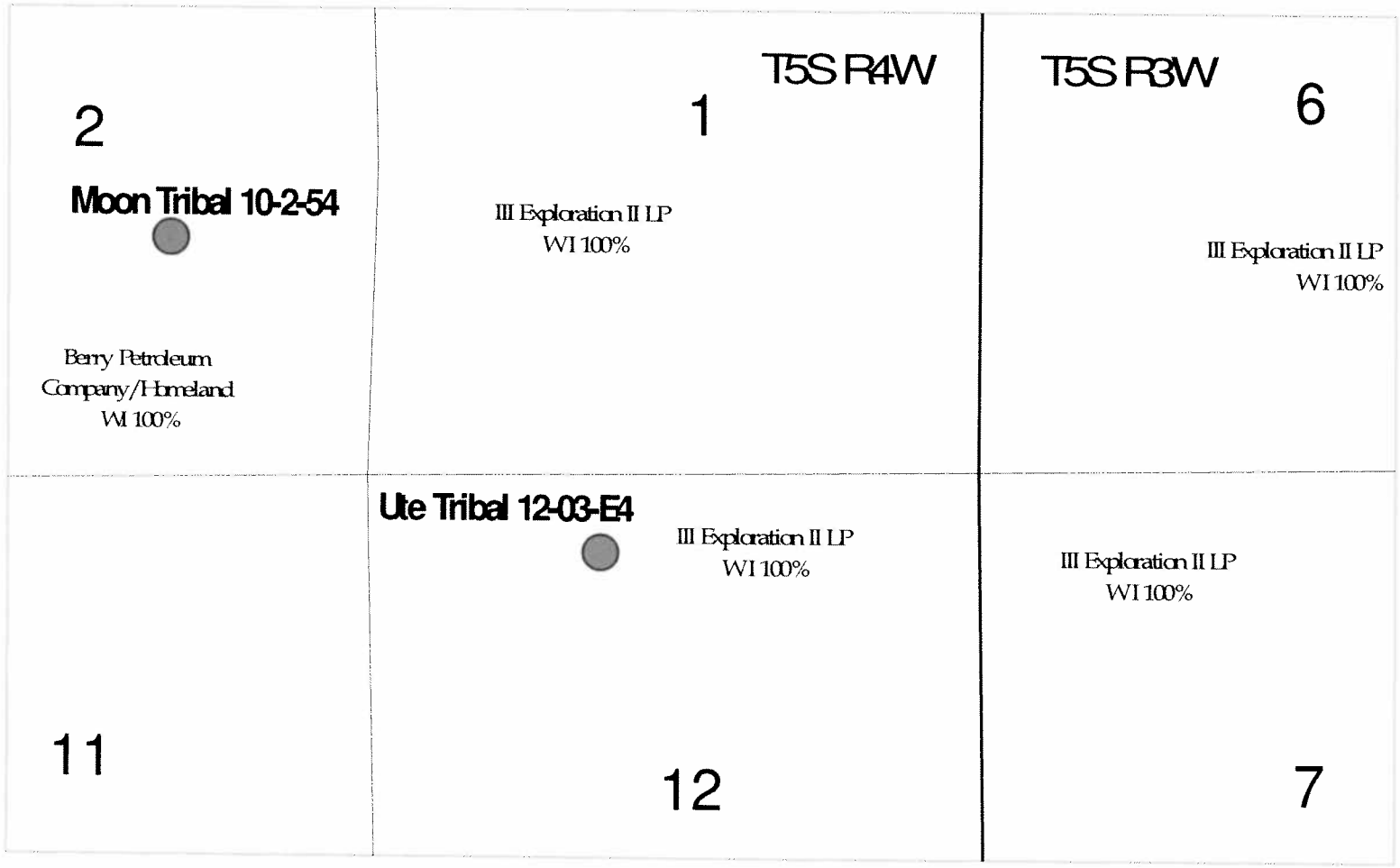
The above and foregoing Affidavit was subscribed and sworn to before me on the 10th day of September, 2013, by Vera Johnson.

Witness my hand and official seal.

Notary Public

(SEAL)

MANDY JENKINS
NOTARY
PUBLIC
STATE OF IDAHO



1 inch = 1500 feet

N

PETROGLYPH

ANTELOPE CREEK

DUCHESNE COUNTY, UTAH

Application for Commingling
Ute Tribal 12-03-E4

JG

6-Sep-13

Sundry Number: 42971 API Well Number: 43013518430000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: 1420H624744

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute In

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: Ute Tribal 12-03-E4

2. NAME OF OPERATOR: PETROGLYPH OPERATING CO

9. API NUMBER: 43013518430000

3. ADDRESS OF OPERATOR: 960 Broadway Avenue, Ste 500 , Boise, ID, 83703

PHONE NUMBER: 208 685-7685 Ext

9. FIELD and POOL or WILDCAT: BRUNDAGE CANYON

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0469 FNL 1718 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 12 Township: 05.0S Range: 04.0W Meridian: U

COUNTY: DUCHESNE

STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 10/12/2013	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☑ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The date of first production for this well was 10/12/2013

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
October 22, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Rodrigo Jurado	435 722-5302	Regulatory & Compliance Spc
SIGNATURE		**DATE**
N/A		10/22/2013

RECEIVED: Oct. 22, 2013

Sundry Number: 42948 API Well Number: 43013518430000

FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: 1420H624744

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute In

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: Ute Tribal 12-03-E4

2. NAME OF OPERATOR: PETROGLYPH OPERATING CO

9. API NUMBER: 43013518430000

3. ADDRESS OF OPERATOR: 960 Broadway Avenue, Ste 500 , Boise, ID, 83703

PHONE NUMBER: 208 685-7685 Ext

9. FIELD and POOL or WILDCAT: BRUNDAGE CANYON

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0469 FNL 1718 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 12 Township: 05.0S Range: 04.0W Meridian: U

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 10/10/2013	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	✓ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Petroglyph Operating Company, Inc. requests permission to commingle oil and gas production from the Wasatch and Green River Formations on the well referenced above. Petroglyph Operating has made all necessary notifications in accordance with with Utah's Oil, Gas, and Mining regulation R649-3-22. Please see the attached Affidavit of Notice and Map

Accepted by the Utah Division of Oil, Gas and Mining

Date: November 05, 2013

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Rodrigo Jurado	435 722-5302	Regulatory & Compliance Spc
SIGNATURE N/A		**DATE** 9/26/2013

RECEIVED: Sep. 26, 2013

AFFIDAVIT OF NOTICE

State of Idaho)
) ss
County of Ada)

I, Vera Johnson, the affiant herein, being of lawful age and duly sworn upon his oath deposes and states as follows:

Vera Johnson is the Land Administrator for Petroglyph Energy, Inc., an Idaho Corporation, with headquarters located at 960 Broadway Avenue, Suite 500, Boise, ID 83706, and is duly authorized to make this Affidavit on behalf of said corporation.

Petroglyph Energy, Inc. has submitted notices to commingle production from the Wasatch and Green River formations in the following well lying within the boundaries of the Antelope Creek Plan of Cooperative Development – BIA Lease # UTE 14-20-H62-4744:

UTE TRIBAL 12-03-E4

This Affidavit is made in accordance with Utah's Oil, Gas and Mining regulation R649-3-22. As operator, Petroglyph Energy, Inc. is the only owner of contiguous oil and gas leases overlying the pool and no notice to other parties is necessary.

Petroglyph Energy, Inc.

Vera Johnson

State of Idaho)
) ss
County of Ada)

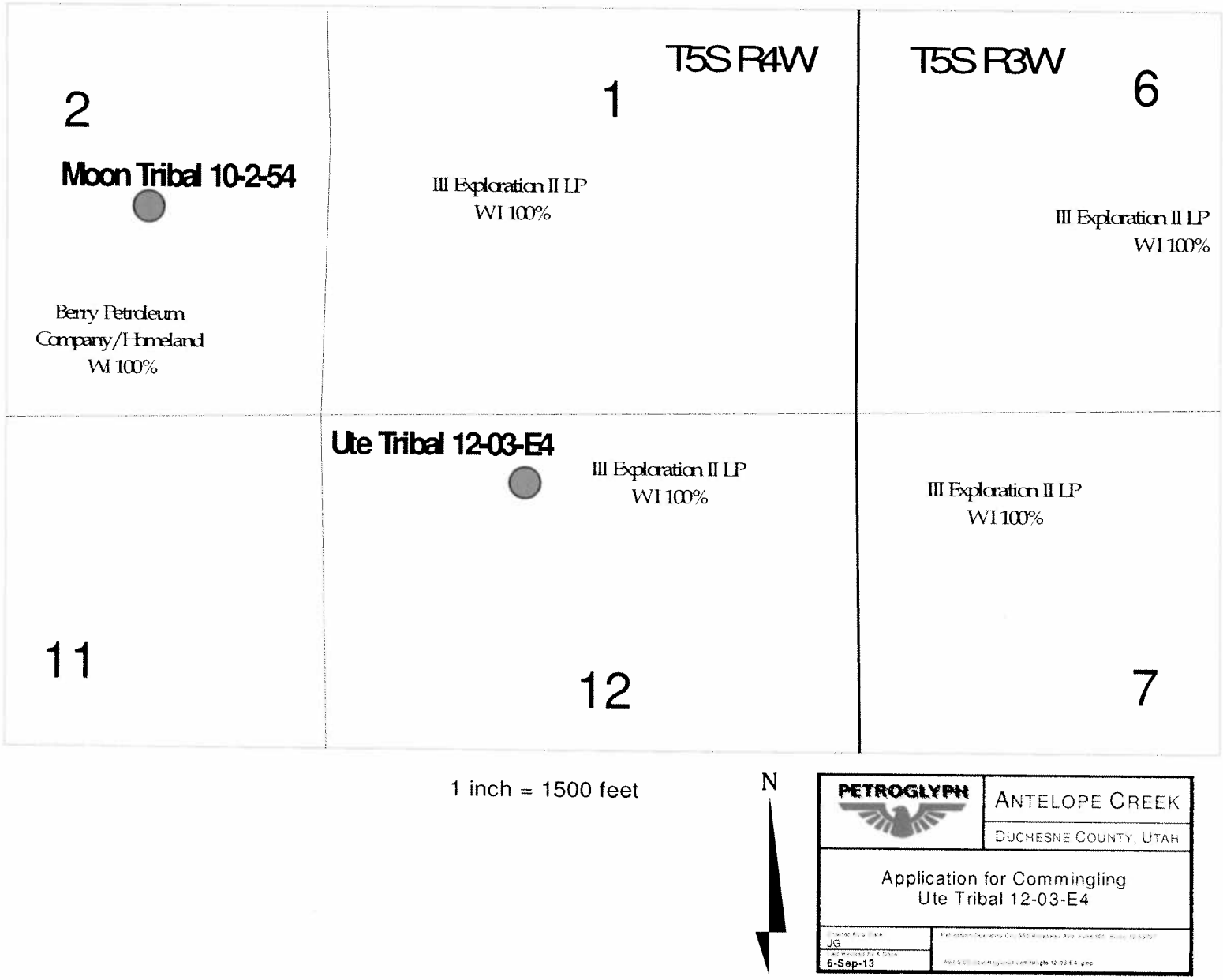
The above and foregoing Affidavit was subscribed and sworn to before me on the 10th day of September, 2013, by Vera Johnson.

Witness my hand and official seal.

Notary Public

(SEAL)

MANDY JENKINS
NOTARY
PUBLIC
STATE OF IDAHO



1 inch = 1500 feet

N

PETROGLYPH

ANTELOPE CREEK

DUCHESNE COUNTY, UTAH

Application for Commingling
Ute Tribal 12-03-E4

JG

6-Sep-13

Sundry Number: 42948 API Well Number: 43013518430000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: 1420H624744

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute In

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: Ute Tribal 12-03-E4

2. NAME OF OPERATOR: PETROGLYPH OPERATING CO

9. API NUMBER: 43013518430000

3. ADDRESS OF OPERATOR: 960 Broadway Avenue, Ste 500 , Boise, ID, 83703

PHONE NUMBER: 208 685-7685 Ext

9. FIELD and POOL or WILDCAT: BRUNDAGE CANYON

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0469 FNL 1718 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 12 Township: 05.0S Range: 04.0W Meridian: U

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 10/15/2013	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	✓ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see attached.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
January 17, 2014

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Rodrigo Jurado	435 722-5302	Regulatory & Compliance Spc
SIGNATURE		**DATE**
N/A		1/17/2014

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-4744
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Indian Tribe
7. UNIT or CA AGREEMENT NAME: 14-20-H62-4650
8. WELL NAME and NUMBER: Ute Tribal 12-03-E4
9. API NUMBER: 4301351843
10. FIELD AND POOL, OR WILDCAT: Antelope Creek

1. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ OTHER
2. NAME OF OPERATOR: Petroglyph Operating Company Inc.
3. ADDRESS OF OPERATOR: P.O. Box 607 CITY Roosevelt STATE UT ZIP 84066 PHONE NUMBER: (435) 722-2531
4. LOCATION OF WELL
FOOTAGES AT SURFACE: 469' FNL 1718' FWL COUNTY: Duchesne
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 12 5S 4W U STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☑ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: 10/15/2013	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 9/24/2013 Petroglyph Operating ran GR/CBL and found ETOC @ Surface, then on 10/2/2013 perforated the following: 7136-44, 6799-6807, 6752-60, 6428-31, 6417-21, 5990-92, 5949-51, 5933-35, 5912-14, 5893-97, 5887-89, 5786-89, 5765-67, 5724-30, 5710-12, 5592-98, 5581-89, 5450-52, 5433-47, 5321-23, 5309-13, 5214-16, 5196-5200, 5168-70, 5160-64, 5148-50, 5116-18, 5010-22, 5004-07, 4811-20, 4766-74, 4656-61, 4207-09, 4177-79 & 4133-37. We isolated and fracture treated the following intervals:
6,417'-7,144': 770 Bbls of fluid containing 30,025#'s of sand,
5,887'-5,992': 975 Bbls of 15% Hcl followed by a 134 Bbls Fresh Water Overflush,
5,710'-5,786': 572 Bbls of fluid containing 48,400#'s of sand,
5,581'-5,592': 481 Bbls of fluid containing 27,385#'s of sand,
5,309'-5,452': 571 Bbls of fluid containing 49,150#'s of sand,
5,116'-5,216': 564 Bbls of fluid containing 34,900#'s of sand,
5,004'-5,022': 468 Bbls of fluid containing 36,900#'s of sand, 4,766'-4,820': 462 Bbls of fluid containing 18,500#'s of sand,
4,656'-4,661': 262 Bbls of fluid containing 18,500#'s of sand & 4,133'-4,209': 299 Bbls of fluid containing 22,615#'s of sand.
Isolation plugs used were Halliburton 8K Composite Plugs, fluid used was Dyna 22 18# gelled fluid, sand used was 20/40 Mesh Premium White Sand and guns used were Titan 3-1/8", containing 22.7 gram charges, 0.42" EHD, 23.54" TTP @ 4 SPF @ 120* Phased. All plugs were drilled out and cleaned out to PBTD, 7,235' & The well was swabbed until a good oil cut was seen. We then ran a pump on 10/15/2013 and put to pump.

NAME (PLEASE PRINT) Rodrigo Jurado TITLE Regulatory Compliance Specialist
SIGNATURE DATE 1/16/2014

(This space for State use only)

API Well Number: 43013518430000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-4744

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Indian Tribe

1a. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ DRY ☐ OTHER

7. UNIT or CA AGREEMENT NAME: 14-20-H62-4650

b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

8. WELL NAME and NUMBER: Ute Tribal 12-03-E4

2. NAME OF OPERATOR: Petroglyph Operating Company, Inc.

9. API NUMBER: 4301351843

3. ADDRESS OF OPERATOR: P.O. Box 607 CITY Roosevelt STATE UT ZIP 84066

PHONE NUMBER: (435) 722-2531

10 FIELD AND POOL, OR WILDCAT: Antelope Creek

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 469' FNL, 1718' FWL
AT TOP PRODUCING INTERVAL REPORTED BELOW: 666' FNL, 1983' FWL
AT TOTAL DEPTH: 659' FNL, 1966' FWL

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 12 5S 4W U

12. COUNTY: Duchesne

13. STATE: UTAH

14. DATE SPUDDED: 7/31/2013

15. DATE T.D. REACHED: 8/17/2013

16. DATE COMPLETED: 10/15/2013 ABANDONED ☐ READY TO PRODUCE ☑

17. ELEVATIONS (DF, RKB, RT, GL): 5,982' RKB

18. TOTAL DEPTH: MD 7,322 TVD 7,305

19. PLUG BACK T.D.: MD 7,235 TVD 7,218

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
ACTR, SDDSN, Borehole Volume Plot, Cement Volume Plot

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☐ YES ☑ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
26	16 J-55	75	0	73					Conductor
12.25	8.625 J-55	24	0	522		G 300	61	0	
7.875	5.5 J-55	15.5	0	7,312		G 1,10[illegible]	331	0 CBL	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.875	7,158							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Wasatch	6,417	7,144	6,400	7,127
(B) Green River	4,133	5,992	4,116	5,975
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
4,133 7,144	0.42	620	Open ☑ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
6,417'-7,144'	700 Bbls of Dyna 22 18# Gelled Fluid containing 30,025#'s of 20/40 Mesh Sand.
5,887'-5,992'	975 Bbls of 15% Hcl followed by 134 Bbls fresh water over flush.
4,133'-5,786'	3,679 Bbls of Dyna 22 18# Gelled Fluid containing 256,350#'s of 20/40 Mesh Sand.

29. ENCLOSED ATTACHMENTS:

☑ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☑ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☑ OTHER: DOGM Form 7

30. WELL STATUS: POW

(5/2000) **(CONTINUED ON BACK)**

RECEIVED: Mar. 06, 2014

API Well Number: 43013518430000

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
10/12/2013	11/10/2013	24		70	80	73	Rod Pump

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
32/64	200	190	41.05	1	1,143		70	80	73	Open

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Used for Fuel

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Mahogany	2,708
				Garden Gulch	3,431
				B Marker	3,838
				X Marker	4,332
				Y Marker	4,366
				Douglas Creek	4,475
				B Lime	4,870
				Castle Peak	5,416
				Basal Carbonate	5,825
				Wasatch	6,096

35. ADDITIONAL REMARKS (Include plugging procedure)

All Frac and Perf info is condensed. Please see NOI and Subsequent Frac Sundry for a detailed record.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Rodrigo Jurado TITLE Regulatory Compliance Specialist

SIGNATURE DATE 3/6/2014

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

RECEIVED: Mar. 06, 2014

Job Number: UT131407
Company: Petroglyph
Lease/Well: 12-03-E4
Location: Duchesne
Rig Name: Capstar 334
RKB:
G.L. or M.S.L.:

State/Country: UT/USA
Declination: 11.13
Grid: True
File name: C:\DOCUME~1\PAYZONE\DESKTOP\UTETRI~1\UT131407.SVY
Date/Time: 17-Aug-13 / 11:32
Curve Name: Ute Tribal_12-03-E4_Actual

Payzone Directional Services LLC

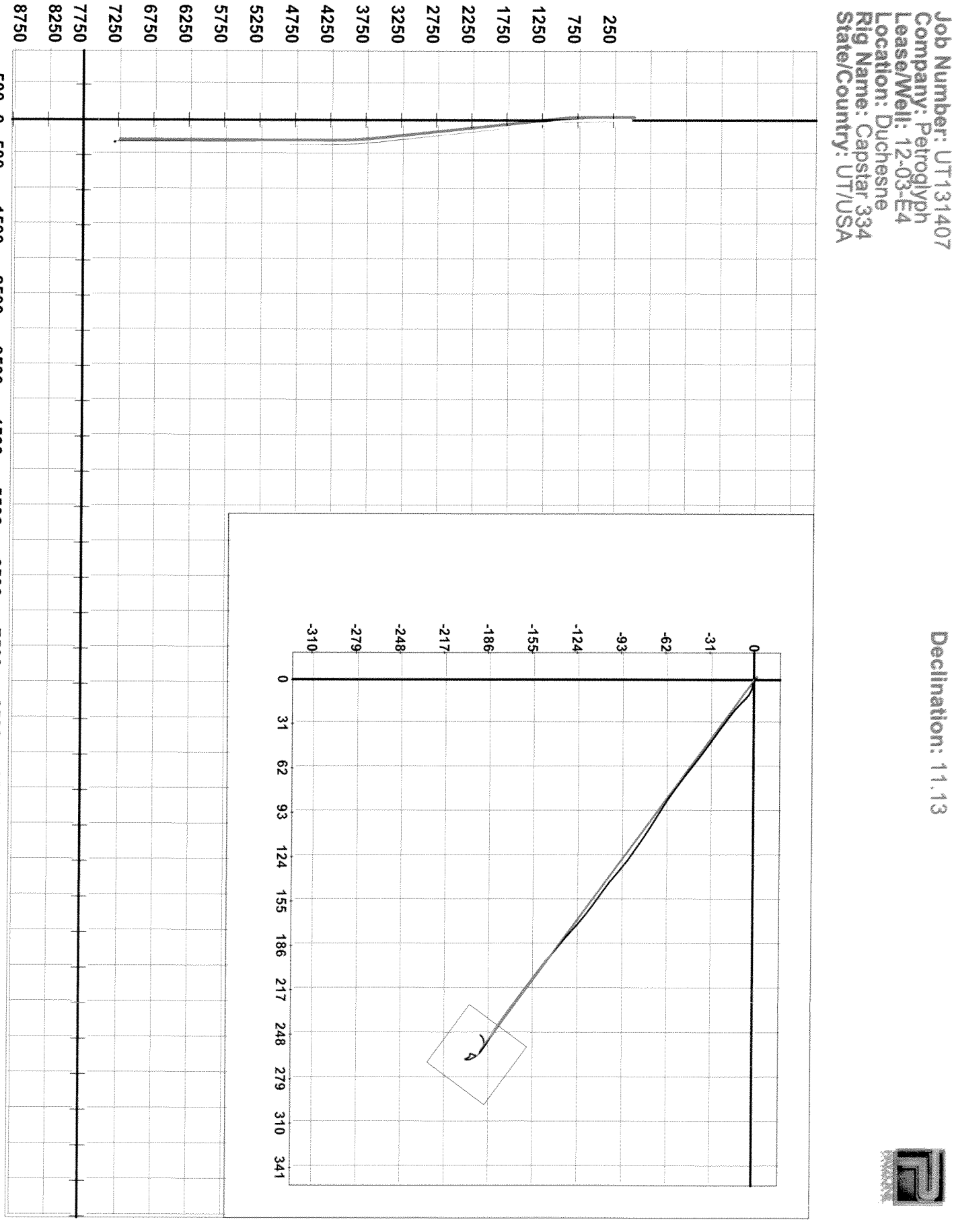
WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 126.30
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
533.00	.80	102.16	532.98	-.78	3.64	3.40	3.72	102.16	.15
564.00	1.00	96.40	563.98	-.86	4.12	3.83	4.21	101.79	.71
594.00	1.10	100.90	593.97	-.94	4.66	4.31	4.76	101.44	.43
625.00	1.20	96.70	624.97	-1.04	5.28	4.87	5.38	101.12	.42
656.00	1.40	108.80	655.96	-1.20	5.96	5.51	6.08	101.37	1.09
686.00	1.60	111.90	685.95	-1.47	6.69	6.26	6.85	102.40	.72
717.00	1.70	115.81	716.94	-1.83	7.51	7.14	7.73	103.72	.49
748.00	2.00	115.60	747.92	-2.27	8.41	8.12	8.71	105.09	.97
779.00	2.20	118.30	778.90	-2.78	9.42	9.24	9.82	106.46	.72

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
809.00	2.20	121.50	808.88	-3.36	10.42	10.38	10.95	107.86	.41
901.00	2.70	135.20	900.79	-5.82	13.45	14.28	14.66	113.39	.83
992.00	3.40	135.50	991.66	-9.26	16.85	19.07	19.23	118.79	.77
1083.00	4.10	130.20	1082.47	-13.29	21.23	24.98	25.04	122.04	.86
1175.00	5.60	126.50	1174.14	-18.08	27.35	32.75	32.79	123.47	1.66
1267.00	6.60	126.40	1265.62	-23.89	35.21	42.52	42.55	124.15	1.09
1358.00	6.50	124.70	1356.02	-29.92	43.66	52.90	52.93	124.43	.24
1449.00	6.40	127.80	1446.45	-35.96	51.90	63.12	63.14	124.72	.40
1541.00	6.00	128.00	1537.91	-42.07	59.74	73.05	73.07	125.15	.44
1632.00	6.70	127.90	1628.35	-48.26	67.68	83.11	83.12	125.49	.77
1724.00	6.50	126.30	1719.74	-54.64	76.11	93.68	93.69	125.67	.30
1815.00	5.90	123.70	1810.21	-60.28	84.15	103.51	103.51	125.62	.73
1906.00	6.50	121.60	1900.67	-65.57	92.43	113.31	113.33	125.35	.70
1997.00	6.30	120.70	1991.11	-70.82	101.11	123.42	123.45	125.01	.25
2089.00	6.50	125.50	2082.53	-76.42	109.69	133.65	133.69	124.87	.62
2180.00	6.10	123.30	2172.98	-82.07	117.92	143.62	143.67	124.84	.51
2271.00	6.10	126.40	2263.47	-87.59	125.86	153.29	153.34	124.84	.36
2363.00	6.40	130.60	2354.92	-93.83	133.68	163.29	163.33	125.06	.59
2454.00	5.80	128.90	2445.41	-100.02	141.11	172.94	172.97	125.33	.69
2545.00	6.30	125.70	2535.90	-105.82	148.75	182.53	182.55	125.43	.66
2637.00	5.60	124.30	2627.40	-111.29	156.55	192.06	192.08	125.41	.78
2727.00	6.30	129.30	2716.92	-116.90	164.00	201.38	201.40	125.48	.97
2818.00	6.80	131.40	2807.33	-123.62	171.91	211.73	211.74	125.72	.61
2909.00	6.50	130.60	2897.71	-130.54	179.86	222.23	222.24	125.97	.35
3001.00	6.00	131.20	2989.17	-137.09	187.43	232.22	232.22	126.18	.55
3092.00	6.40	128.20	3079.63	-143.36	195.00	242.03	242.03	126.32	.57
3183.00	6.40	126.50	3170.07	-149.52	203.06	252.17	252.17	126.36	.21
3274.00	6.30	126.90	3260.51	-155.53	211.13	262.23	262.23	126.38	.12
3365.00	6.20	126.40	3350.97	-161.44	219.08	272.14	272.14	126.39	.13
3457.00	5.80	125.90	3442.46	-167.12	226.84	281.75	281.75	126.38	.44
3548.00	6.20	126.10	3532.96	-172.71	234.54	291.27	291.27	126.37	.44
3640.00	6.10	126.40	3624.44	-178.54	242.49	301.12	301.12	126.36	.11
3732.00	4.60	119.40	3716.03	-183.25	249.63	309.67	309.67	126.28	1.78
3822.00	4.30	119.00	3805.76	-186.66	255.73	316.60	316.60	126.13	.34

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
3913.00	3.20	134.60	3896.57	-190.09	260.52	322.50	322.50	126.12	1.64
4006.00	2.90	145.20	3989.44	-193.85	263.71	327.29	327.29	126.32	.69
4096.00	1.90	162.30	4079.36	-197.14	265.47	330.66	330.66	126.60	1.35
4188.00	1.10	192.50	4171.33	-199.46	265.74	332.25	332.26	126.89	1.19
4278.00	.70	200.00	4261.32	-200.82	265.36	332.75	332.78	127.12	.46
4369.00	.90	344.54	4352.31	-200.65	264.98	332.34	332.38	127.13	1.68
4460.00	.80	341.70	4443.30	-199.36	264.59	331.26	331.29	127.00	.12
4551.00	.70	324.50	4534.29	-198.30	264.07	330.22	330.24	126.90	.27
4643.00	.50	318.10	4626.29	-197.54	263.48	329.29	329.31	126.86	.23
4734.00	.40	286.30	4717.29	-197.16	262.91	328.60	328.62	126.87	.29
4825.00	.50	258.01	4808.28	-197.15	262.21	328.04	328.06	126.94	.26
4916.00	.40	247.91	4899.28	-197.36	261.53	327.61	327.64	127.04	.14
5008.00	1.30	14.30	4991.27	-196.46	261.49	327.05	327.07	126.92	1.71
5099.00	.90	31.70	5082.26	-194.86	262.12	326.61	326.61	126.63	.57
5190.00	.80	4.70	5173.25	-193.62	262.55	326.22	326.22	126.41	.45
5281.00	.80	327.60	5264.24	-192.45	262.26	325.29	325.29	126.27	.56
5373.00	.70	306.40	5356.23	-191.57	261.46	324.13	324.13	126.23	.32
5464.00	.80	302.00	5447.22	-190.90	260.48	322.94	322.94	126.24	.13
5555.00	.80	306.20	5538.21	-190.19	259.43	321.67	321.67	126.25	.06
5646.00	.60	310.20	5629.21	-189.51	258.55	320.56	320.56	126.24	.23
5738.00	.40	303.23	5721.20	-189.02	257.91	319.76	319.76	126.24	.23
5829.00	.30	298.20	5812.20	-188.74	257.44	319.21	319.21	126.25	.11
5921.00	.30	305.40	5904.20	-188.48	257.03	318.73	318.73	126.25	.04
6012.00	.30	300.00	5995.20	-188.22	256.63	318.26	318.26	126.26	.03
6103.00	.30	283.80	6086.20	-188.05	256.19	317.80	317.80	126.28	.09
6194.00	.40	292.00	6177.20	-187.87	255.66	317.27	317.27	126.31	.12
6286.00	.40	293.80	6269.19	-187.62	255.07	316.65	316.65	126.34	.01
6377.00	.30	291.00	6360.19	-187.41	254.56	316.11	316.11	126.36	.11
6469.00	.30	260.00	6452.19	-187.37	254.10	315.71	315.71	126.40	.17
6560.00	.30	265.40	6543.19	-187.43	253.63	315.36	315.36	126.46	.03
6651.00	.40	264.90	6634.19	-187.47	253.07	314.94	314.95	126.53	.11
6743.00	.50	264.30	6726.19	-187.54	252.35	314.41	314.41	126.62	.11
6834.00	.40	249.30	6817.18	-187.69	251.66	313.94	313.95	126.72	.17
6925.00	.40	247.10	6908.18	-187.93	251.07	313.60	313.61	126.82	.02

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
7017.00	.50	243.20	7000.18	-188.23	250.42	313.26	313.27	126.93	.11
7108.00	.70	237.60	7091.17	-188.71	249.59	312.87	312.90	127.09	.23
7199.00	.50	211.50	7182.17	-189.35	248.92	312.70	312.75	127.26	.37
7259.00	.50	205.10	7242.17	-189.81	248.67	312.78	312.83	127.35	.09
Projection to Bit @TD									
7322.00	.50	205.10	7305.16	-190.31	248.43	312.88	312.95	127.45	.00



RECEIVED: Mar. 06, 2014

API Well Number: 43013518430000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 7

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well name and number: Ute Tribal 12-03-E4

API number: 4301351843

Well Location: QQ NENW Section 12 Township 5S Range 4W County Duchesne

Well operator: Petroglyph Operating Company, Inc.

Address: P.O. Box 607

city Roosevelt state UT zip 84066 Phone: (435) 722-2531

Drilling contractor: ProPetro Services

Address: 1422 East 1500 South

city Vernal state UT zip 84078 Phone: (435) 789-1735

Water encountered (attach additional pages as needed):

DEPTH		VOLUME	QUALITY
FROM	TO	(FLOW RATE OR HEAD)	(FRESH OR SALTY)
0	515	< 1	Salty

Formation tops: (Top to Bottom)

1 _____ 2 _____ 3 _____

4 _____ 5 _____ 6 _____

7 _____ 8 _____ 9 _____

10 _____ 11 _____ 12 _____

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

NAME (PLEASE PRINT) Rodrigo Jurado TITLE Regulatory Compliance Specialist

SIGNATURE _____ DATE 8/2/2013

(5/2000)

RECEIVED: Mar. 06, 2014

Multi-Chem Analytical Laboratory
1553 East Highway 40
Vernal, UT 84078

multi-chem®
A HALLIBURTON SERVICE

Water Analysis Report

Production Company: **PETROGLYPH ENERGY INC**
Well Name: **UTE TRIBAL 12-03-E4**
Sample Point: **Rig 450 feet**
Sample Date: **8/5/2013**
Sample ID: **WA-249784**

Sales Rep: **James Patry**
Lab Tech: **Gary Winegar**

Scaling potential predicted using ScaleSoftPitzer from Brine Chemistry Consortium (Rice University)

Sample Specifics

Test Date:	8/5/2013
System Temperature 1 (°F):	60.00
System Pressure 1 (psig):	1300.00
System Temperature 2 (°F):	180.00
System Pressure 2 (psig):	14.70
Calculated Density (g/ml):	1.04
pH:	11.00
Calculated TDS (mg/L):	61507.89
CO2 in Gas (%):	
Dissolved CO_2 (mg/L)):	0.00
H_2S in Gas (%):	
H2S in Water (mg/L):	0.00

Analysis @ Properties in Sample Specifics

Cations	mg/L	Anions	mg/L
Sodium (Na):	21732.50	Chloride (Cl):	25000.00
Potassium (K):	0.00	Sulfate (SO_4):	64.00
Magnesium (Mg):	5.10	Bicarbonate (HCO_3):	14640.00
Calcium (Ca):	10.00	Carbonate (CO_3):	
Strontium (Sr):	2.00	Acetic Acid (CH_3COO)	
Barium (Ba):	1.20	Propionic Acid (C_2H_5COO)	
Iron (Fe):	3.50	Butanoic Acid (C_3H_7COO)	
Zinc (Zn):	0.11	Isobutyric Acid ($(CH_3)_2CHCOO$)	
Lead (Pb):	0.20	Fluoride (F):	
Ammonia NH_3:		Bromine (Br):	
Manganese (Mn):	0.06	Silica (SiO_2):	49.22

Notes:
B=648 Al=3.4

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4 2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
180	14	2.25	8.70	0.00	0.00	0.00	0.00	3.28	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	157	2.21	8.70	0.00	0.00	0.00	0.00	3.24	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	300	2.17	8.69	0.00	0.00	0.00	0.00	3.19	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	443	2.13	8.69	0.00	0.00	0.00	0.00	3.13	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	585	2.10	8.68	0.00	0.00	0.00	0.00	3.07	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113	728	2.06	8.68	0.00	0.00	0.00	0.00	3.01	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	871	2.03	8.67	0.00	0.00	0.00	0.00	2.95	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86	1014	2.01	8.67	0.00	0.00	0.00	0.00	2.88	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73	1157	1.98	8.66	0.00	0.00	0.00	0.00	2.80	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	1300	1.95	8.65	0.00	0.00	0.00	0.00	2.72	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

		Hemihydrate CaSO4~0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
180	14	0.00	0.00	0.00	0.00	0.00	0.00	2.05	0.07	0.00	0.00	11.89	10.19	5.89	15.93	16.72	2.72
166	157	0.00	0.00	0.00	0.00	0.00	0.00	1.95	0.07	0.00	0.00	11.66	10.19	5.75	15.93	16.67	2.72
153	300	0.00	0.00	0.00	0.00	0.00	0.00	1.84	0.07	0.00	0.00	11.44	10.19	5.62	15.93	16.63	2.72
140	443	0.00	0.00	0.00	0.00	0.00	0.00	1.72	0.07	0.00	0.00	11.22	10.19	5.50	15.93	16.61	2.72
126	585	0.00	0.00	0.00	0.00	0.00	0.00	1.58	0.07	0.00	0.00	11.01	10.19	5.39	15.93	16.60	2.72
113	728	0.00	0.00	0.00	0.00	0.00	0.00	1.43	0.07	0.00	0.00	10.81	10.19	5.29	15.93	16.61	2.72
100	871	0.00	0.00	0.00	0.00	0.00	0.00	1.27	0.07	0.00	0.00	10.62	10.19	5.19	15.93	16.64	2.72
86	1014	0.00	0.00	0.00	0.00	0.00	0.00	1.09	0.07	0.00	0.00	10.43	10.19	5.12	15.93	16.69	2.72
73	1157	0.00	0.00	0.00	0.00	0.00	0.00	0.89	0.06	0.00	0.00	10.26	10.19	5.06	15.93	16.76	2.72
60	1300	0.00	0.00	0.00	0.00	0.00	0.00	0.68	0.06	0.00	0.00	10.11	10.19	5.01	15.93	16.86	2.72

Multi-Chem Analytical Laboratory
1553 East Highway 40
Vernal, UT 84078

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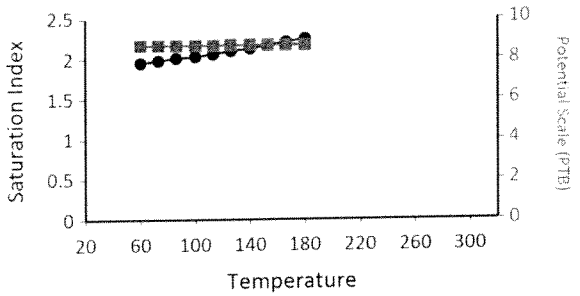
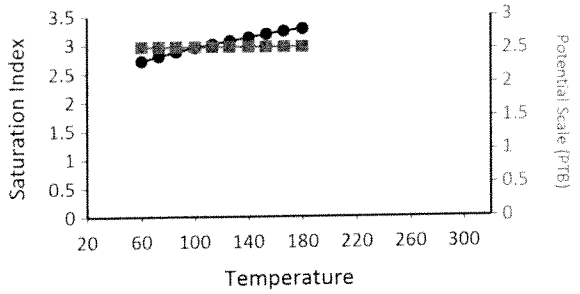
Water Analysis Report

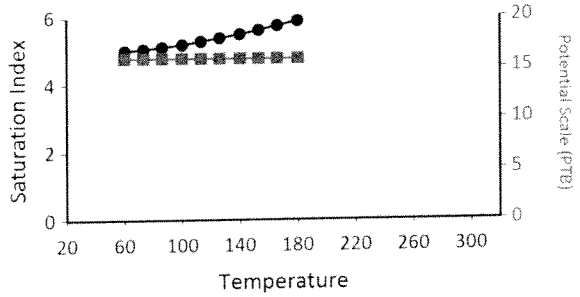
Calcium Carbonate



Iron Carbonate



Ca Mg Silicate



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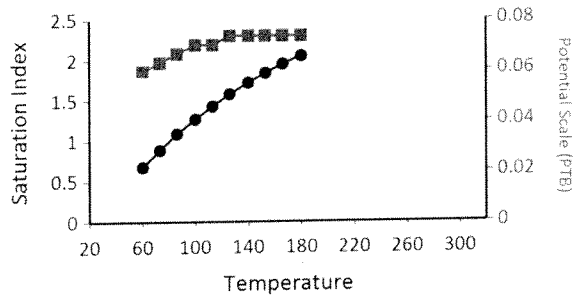

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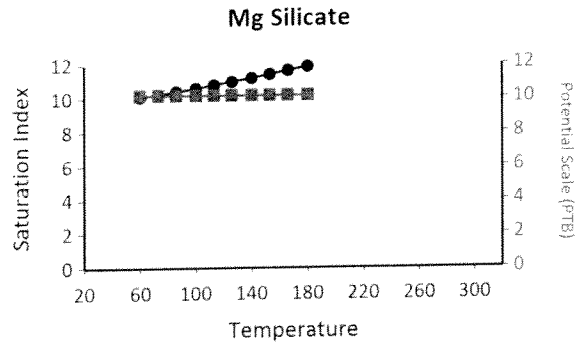

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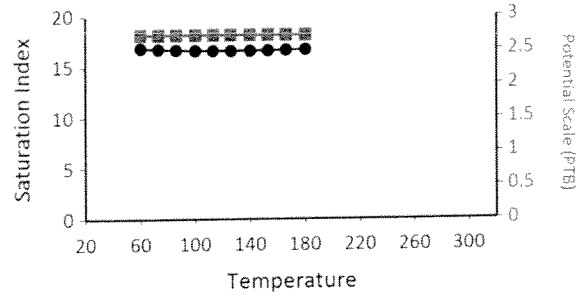

RECEIVED: Mar. 06, 2014